Mad. Syn 19 m and roth

Cambride, mass -28 Aug. 1030

Respected Sin g
The interest which every student of Botany

neceptainly feels in the great work of which you have ful ifewed the first part - the perhaps maturel desire to combody in it anything which his own observation has detected, is ony only I though I tout it way be regarded a sufficient) excup for obtanding upon you the following later I its accomanying packet. I regret that the specimens are not better to more numerous - but if they are of value - their can be easily corrected. The Ruby Chancemons - has not get been identified with any particular locality (within my knowledge) & I have never learn any other habitat in The Books beside Pursh's. The plant is very abundant on the lower summit of the Mrh. mts - flowering in June & eifeing it fruit about the 1sty Ang. The fruit is amber-colonied - large - + almost within agreeing perf-Eethy with the desc. in Eng. Botang. Having Inocure Bigelow's Stationa box-Ealis in what I suffofed might be it orige locality (at the base; for Hoyl Bigelow dos not indicate the, I cannot think it is fait at a huch higher altitude - this hope being estimated at about 1700 ft) Sufford the specimen night be wreful in determine its identity with the the called lancedata in your Flora - which point is made a doubtful one in Dr. Bech's Botany. The Lobelia Dostmanne, or what

I thank may promitty be a constant variety of the sp. as represented in Eng. Boh., & as growing in the Post in Cambridge - is plentiful in t around a small poind near the trotch - at about the clava tron just mentioned. The characters of difference noted in about 50 fly were - smaller in all its parts, - flowers few, (2-3, rarely 4) corollar White. The latter char is I know not entitled to the rank genelly of particularly in this genus - but in this cafe it affected with the other marks - to contilute a per constant difference. The Lichenes (with the Exc. of Lecanora ventofa, antaloquety Halsey, though evidently Alpine in this locality) have never been published in any work that I have feen as Amed plants. They are all common on the faminits. I have other finiterest, & intend the following year to mirestigete the constaceons alpine species. I have found two other flants of which I cannot reich mentioning in this place. The one - Corallorhera smultiflora I for in damp woods at montpelier bt - Howing the last of July. -I believe it has not been published as a New-England Hat. The then yearter quadrifiday Per - I can only find in Ihr. Sodweinte, Synopsis with the remark nondam Reasglorice. It occurred in - Sandy frime woods in Cambridge Men - in company with what I suffer I hygrometrices,

but much more rare - being (as Bryant states) keft out of organ by the fine hold of its oradides on the Earth. I hope die a lave not violated propriety - in they addrying you - still now that my observation, may not the wholey without balue - with they Saw work refectfully Jon obt. Serot. Edward Frickermen fun Rof. Tomey K bew york lik-Station value By Lake Champl.

seems to be C. administración, parielle unherfect Stellarin bonalis. dez Tzj. h. 801

of degrees one for the forther

Ala - in company a

Red. Nov. 6th



Dear Sir I feel deeply the privilege I anyong in They addrepaint you. The Encouragement you to beadly extended, had been the source of many as hour of pleasure - as I have contemplated The populating of discoveries - which would be so longe . Doomed to the forget fulnes of some rubbish-corner in the Herbarian. And this hope has led me to write what I fear will be a tedion letter. To little (comparatively) has been buttished of the Making of American Hants - that students offen discover what he nesative Evidence of our books would make to affect more - but while in fact the MIS of botterists of the peak Acebarrins of the Jametry are both Infflier with the unprinted facts. I will mention several plants of witerest in equal to which I know only that they are not in my books. A plant is naturalised (recently) in Cambridge - which seems, though it was sent me in a dried state to that I comed not examine the organs - to be The Lypinachia hummulaia Pourope - the comparison which I have fush 2 ade of it with a Swife Specimen of the I numericaloria Acade me to then I it much be that plant - though I comed not diffect the flowers of Either with sutire datisfaction. The a. numbularia has never been cultivaled here to my knowledge - Certainly not in our Botanich garden -t it is a plant which would hardly be cult elsewhere. It is forocur bent - or creeping I am not some which - but this is hardly of consequence to you.

mis sp. is recently a sparingly mat, but I be as reason why it should not The Salis encloses seems to be the herbacea of Ph. - whose of were from Labrador & A cannot find any notice of the plant in any other author. I found it very sparingly on the Northern summits of the White Into The other species mentioned in Eatons Man. as found at the Wh. Mit by Dr. Boott is very common on the lower January - not however growing with this. Me Coralloshira & geastrum 1 trongh I called it geaster for the reasons given by Mr. Berkeley in Horshey Br. H. _ it being the name applied by the creator of the geners) are my only opecines - tough I hope to find the Jeaston again this fall. Most unfortunately the acuminate & conical orifies of the fruit-covering is wanting - being broken of when exhibited at the Boston Foc. fitat. Hist. when I read some astries of the plant. There agreed almost perfectly - wideed as far as I went - with the obs. of hr. Bayans - the auther for ansion history of the English of. Offeaton - published in parphlet for about 1700: + I have so south Hat the reason be assigns for the ravity of the Glant everywhere is equally true fours. Unlike the the blecis about leve its filrows radiches take firm hold of the Earth & ambanica even in the most expore setuations the plant is broised under the autumned leaves of our forests. It feems to be an I also endofe a few lichens. The blank labelled NEphroma anon. Jeans to be new - + if to is a very witerstry from of this geners. It grew

in derf patches on rocks on the stide of Mr. Phefant in the Alfine you are kind evoys to offer to send me exchange specimens. I what I have fent are of value - it will be most gratifying to me. I feel however that I can bend little of any importance - I that your part instruction letters an as much as my observations really deserve. I will however mention the Cistacea - as peculially witeresting to me sopohich almost any species that you can span will be highly valued. There are a few in the Hora which I have not amy means of That so not allow my ignorance of the raisty of any of the sp. to trespay on your kindness. Until I have deen able to commapricate something of greater value han have set I shall feel no claims & set sates first with what I have received aheady. I have long has the first number of the Flora tamiscionity correspondences as I am rearranging supplement of according to the RECORD of according to the REARIUM of the REARIUM of according to the REARIUM of Lit the Wethor of the Hora: I by this blan I will Book how familian than in any other empirical way . I him many glass will Elapse be for I shall be able to study a plant d'arrive at all is relations by the Natural Method - I am content to make an artificul arrangement to Suit my our case. Botany is a Science: Though we did not know it and they widowe of Peof. Eala, an July comprehed it under the brief review of Bech. your great work - though it latifies many a student of some standing in the old way - that he knows barely aughting of Plants - will hardly discourage any who world do honor to Botany. Though They find they slow, - but on the threshold - get the whole edifice

open fair upon the brew — They ternost might or lefe the way. Still of
their there are few of the few Bottement the one about her - who will benten
it present to go beyond Origina. I have them the Prospection but shoo
not know that any valication have been get and from Cambridge.

Pardon the circlevan of the latter part of the letter
from humble several Editacherrae for
When humble several Editacherrae for

BERBARIUM
CONTRADICATION
CONTR

Grafelin General Books

Lazza

H. Allow me to ask how acceptable the Lichens won that I seen. Intending the next year to collect more throughly the Lichens of the Into of Ut. ONH, & particularly the crustaceous one _ I should like to know if the grown is one that has been abready Explored. Nothing has been published; but I believe that Schweinitz had very great collecting _ whether American or not I so not know _ I shall be provided to be often least service in this respect, as I feel it is almost the only way that I can: _ provided the Alpine Lichens of our country have not been gatheret already.

Godn. Tuckemuan.

HERBARIUM COLUMBIA UNIVERSITY.

Dear sir 1 take the hiberty again he Tend

you a few lichens, some of which I suppose of witered; though I shall be glad if you confirm my references to It systematich names, as the labour of ascertaining has had with me very little to alleviate it, and less to confine and sanction its results. Scheerers invaluable work has however given the names some strength, to far as it went, I am therefore willing to Submit them to you, in The hope that if you have time to note any false references you will add to the territary with which you revend my former letter, by wenting Them-

I have sent a number, un-named, some of which I have long known by the what I suppose many be the correct names, but not having had it in my power to comfrom them with authentich specerious, therefore and knowing They would be equally was noth to you without the names, I have so sent them. Thefe are numbered, answering to the specimens in my herbe, so that if you will kindly note them

proper references, I shall esteem it an advantage for beyond any other return. As many of Thope, of which I wrote an account for The Boston Journal of Natural History, as I could, I have also sent, with the exception of 2003 which I sent last year. In addition to thep I have fout in some other plants jef enter-Est tome. 3 marchanizas. 1 Boletus versicolor. 2 Phiromorphus one speech to far as I am informed, is new to us: and the station, in a so of old brich - spring - house on an old estate here, is one probably not often a yorded . Tyhoria densta: This remarkable plant I have twice found at Cantride + Brighton, But I regret exceedingly that the specimens are all somehow mislaid, so that I am as get unall to fout it corumbia though I know nothing of any other Apharia, I believe I am right as to this, mice it is a plant to remarkable of Witherings Description & grevilles Separation & establishment of it as a separate Janus, leave very little to question. If I cannot send it now, I will as lown as popille. Lycopodium annotinum, h. This I have hade out from the desert. oalso from a companies with authentich Swift specimens of L. another un. It is the common Lycopodium on The four summits of the White Mrs. below L. Selago, but for above 2 meidules to - + not leaving The Apine track. I have been over thefe mits twice with considerable care & feel familian with the vegetation; and I cannot think what else can aspece It by Lycopidism Sabinafoling - Beak Bot. - which to cut this short, it wided may be. If it is, I hope you will excupe my probinity about it. L. Sciago: seems to prefer the highest surnet

ington, for above any other plant except mops & lichens. This reminds me of a very remarkable apertion for a Botanish - + no less than Dr. Cuther, who i quoted in a book on three. Scence y now publishing by hor. N. P. Willis in parts , as saying that no vegetation whatever suffer Dear peak Int. Washington but that "at the base of the Juminet "the ARMINET of vege-tation may with probriety be fixed. There are wideed" he goes INVERSITY some of The rocks, even to their aprices, Scattered specks of a mossy appearance; but I concieve them to be extraneous substances accidentally ashering to the rocks, for I could not dicove, with my botanical microscope, any part of that plant regularly formed." Now not to speak of the abundant fratches of Earies & Diapensias that occur on the Tides of the beat, the rocks are perfectly heaped with perfect hickens, & the erevices are lined with perfect mofre, or as above-said, among Thep Sycopodin Delago frequently occurs to the very top. Saligherbecen ; fond by me very sharryly on a high ridge connecting the peak of but washington with that of mit Jettersa. I do not know that you got the other specimens (much better than this) which I sent with an account of love months since. I believe this is new. Having before I went on to these Mits studied the desens o collected an hist of all the Alpine glants that had been already found, it was my ambition to add one to this list - and since my Ruby Chamdemons iwas too late, I hope this little shrub may be the happy one: provide it escaped the cagle-cyc of has outer. It has certainly never but fullished a except by Prush in this combry. Elatine Americane, abundant in Can l'on the margine of Fresh and, 2 plants offerently belonging to the Fluviules from Canti.

2 Carices from the Wh. MIS. Beside with I found C. saxatihis of your mon. Cyp. & C. atrata; with nodding spikelet: the latter rare, The former very common in the higher frant. Lacture a nitegrifol. In habit & place of growth this affects to Differ from 2. clongata, and also in the courtantly (in 20 plants) sagittate from of the bears at the middle of the stem. The leaves are however ravely entire - That is generally toother, and thop near the root are Sometimes occur with a filamenton, medric. These (the radical) leaves are long-spathelate, Empetrum Consadii? This was senione from Phymonth as the E. nigman, with wich last plant I was familiar at the Mr. Who. station. Having no Duplicate, I have cut thefe from 27 specimen. It grows somewhat erect to a foot in height I am in formed I may spacement fully warrant this. In this, the flowers affects invariably to be terminal, whereas I have new Jeen The berries on The Monteton plant other them toward the extremeties of the branching UNIVERS I mean to visit the mits of W. VNH your in the middle of the coing June by which I hope to find all the plants in flower raho to get the Twestian, Alchemilla, Sithaldia, Ho which one make look for in vain the last of poly; which time both my visit, here to fore were made. But the particular object will be the lichens, which I have made up of my mind is a sufficient Subject for study for any man a letty the ret yo. (lucker man) As I have made up this parcel hostily, I hope the scantines Isise K may be pardoned in my specimen - as of many I had no dublicates, I was Therefore offized to divide my own spee.

It is letter if on I know not but I have about your time and patienes to little profit : and had it not been that the sucomequent you extended in your letter, was a strugthened by the publich which to bolants at a distance on the back of the 2 ho of the Hora - I should hardly have dared to commence an account of what wonders have (to me) have met me in natures fairest works.

I am with respects your red? serve.

Jam with respected your Ared. Serv.

Sal. Vncherman jun

icolumbia University

Columbia University

Dr. Torrey New York

OS. I lately recieved a very valuable package which I supported was oning to your levidrep. It contained a paper of yours, one of Dr. Gray's tome of Mr. Arnotts. I shall fully appriciate the value of what I could not have otherwise obtained. The paper of Mr. Amott struck me as one of the nort elegant I had even seen; and it much be fleefing to American Botanish. To see some other than the Chrodin min" which he seenthis, or the out of the way should that Prof. Eaton Deposition, _ consecrated to you. This is indeed a return for my parpilets.

Dr. Some

frem. York



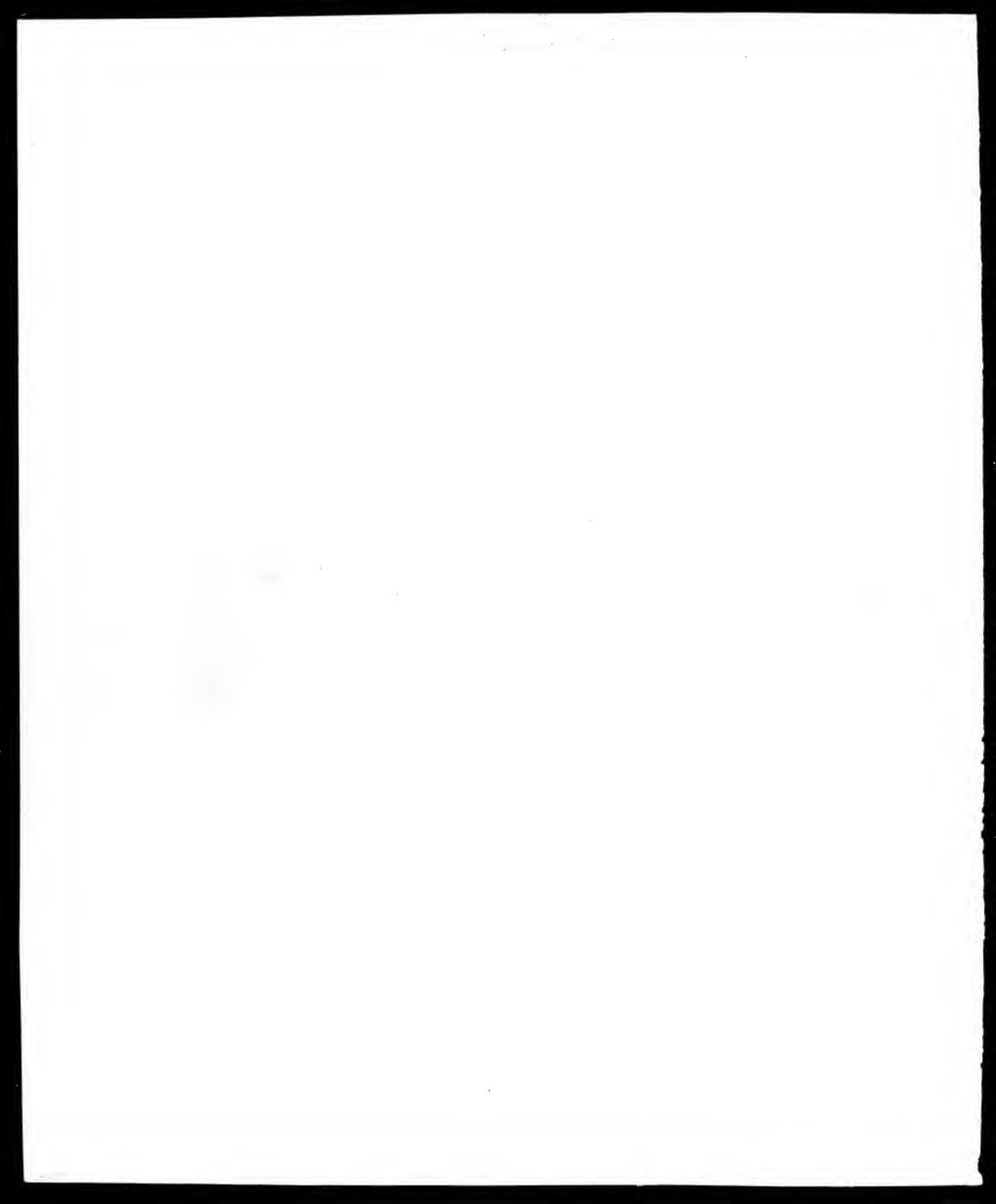
bambrite 15 mar. 1839 -

Dear sin 1 write to Tay that I have the day committed to a gentleman, to be the left at the Astor House in Aswayork, a small box of folunts, principally lichen, which I have collected - I agreetly to you kind request now send with an enclosed account & letter.

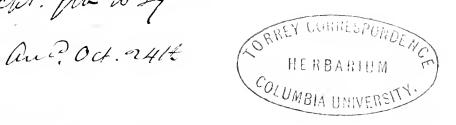
I must again ask you to except whatever you may hot approve in my labelling or in any office confiction.

Jam with the high she can be strong or out. Rest

Dr. Torrey Asor. york Ed. Fucherman jein



Red. Scht. The 1839



Cambridge 2 Syt. 1839

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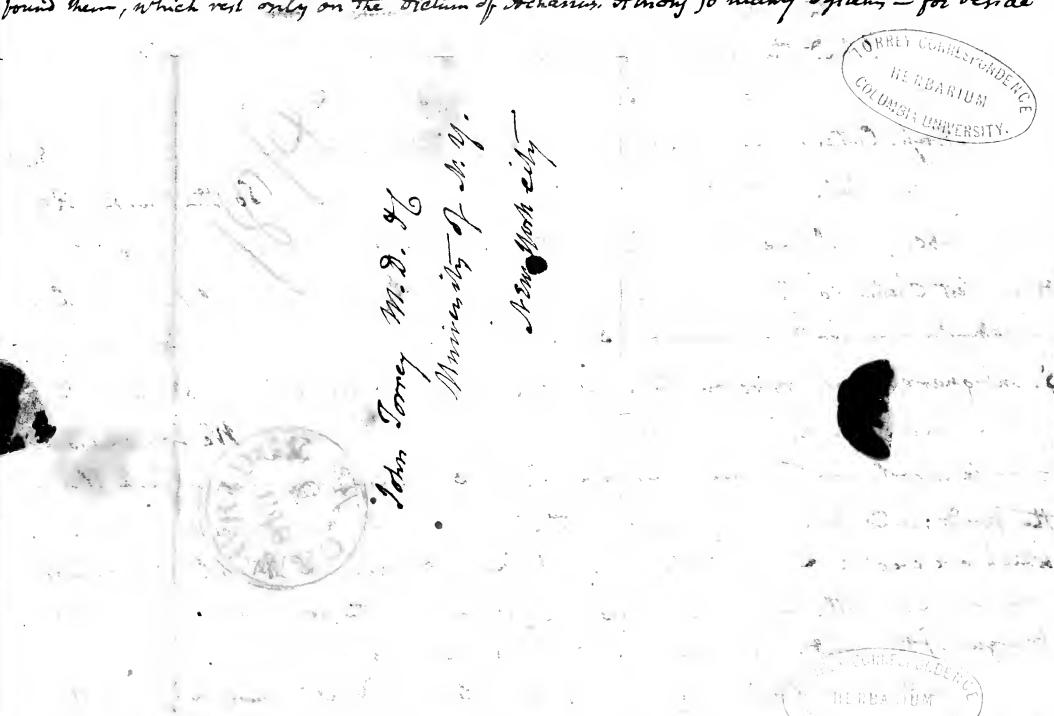
I was gladdened on my return from my last

Expedition for this Season, with the receipt of your kind letter of the 20%. I am happy to find that my plants reached you, I that some, as the Empetrum were acceptable. The specimens which I then sent were broken from my own, as I had no duplicates, but I have collected abundant specimens this fummer in Plymouth, & can now send you a good rized plant of the rife fruit, which last you mention as desirable. The Mymouth pl. I now find to have "trunks prostrate, with a fruggent branches as you deser. the N. Jessey get. When I thought it "erect", I had not feen it growing, & drew my opinion from the habit of what I now find to be only the branches. The pl. flowers they lay in Hymonth exceedingly Early. This must also be the cafe with our E. nigrum, which I could not find in fl. even in June of this year. The ripe fruit of they last I have twice gathered in Ang. I on the Mite Mrs. I found it full as agreable (to me at least, because les insipid) as that of Rubus Chamamans or Vaccininiuliquiofui. If I do not mistake I enumerates among it effect, when cater in a considerable quantity - "terrulentian" - a curious virtue, but I Fid not test it. And the remends me to speak of the fruit of Lavierpa hispidular of your H. Amer. I have repeatedly gathered teater it. It is a white berry of about the oblong shape of the fruit of bacc uligin from & thinly sprinkled with

short black hairs. The flavour is an agreable slight acid, combined with the peculiar taste of Gaultheria procumbers & like that pl. this flavour feems to be diffused the oughout the pl. The substance is pulpy. Permit me again to digress — to Day a few words about on Whostlebenies I cannot help thinking that the Boston Hora. is nearest right in respect of this genus. Our V. virgatum, is so very far from V. Pennsylvanicum, as to be neare in general aspect to I fromdofum. And our V. Disomorphum appears to me perfectly distinct. I have found this last with a hirsute corolla uniformly in the case of a single Sl. which was all I saw. This or-Cand at here, N. H. I should have mentioned one or two other thengs while speaking of the Empetra. The E. Conradii doe, not appear as yet to be at all comenon in the Phymouth region, though I do not doubt their immenfe forest comtain, unknown station, for it. Two tocalities only are now known - both sandy knoths, It covery them in deufe patches. The E. nigrum I have found on all the higher funmity of the Green hot, in at as well as on the White Mit. Lyinachia nummulaia I have little hope of. Athas not spread, & indeed is almost if not quite destroyed in it present station by the removal of the soil. The Caren about of North. must be rare on the White My. a, it escape Mr. vakes. I have not found it lines my first vijet but I got (in company ; with W. F. Macrae of Lower Canada, a very senterprising botanist / abundant specim Ens (necepaily immature) in June this year on the Noje of Mansfield, one of the highest summit of the Green my My which I will fend you - with the other if possible. Mr. Dakes say, neither of them is anything more than an offine form of C. hinosa - I get he doubt not the former is truly the C. atrata of Nuttall. I have been quite incectiful this season in my lichency. Tome new & very inter-Esting pl. have been added to my collin But I do not expect to study what I have brought home tell the winter. In the phanog. I have had fone succep. The true Aspidiam aculeatum of Pursh got by him in the "Freen My. 14. was found by hit. Macrae 4- myself on the side of the Chin of Mansfield - a sum

met of the "Green Mits. VI" (of turn ! I growing abundantly in the region of high trees. My friend has since gathered this elsewhere but I have not get received his specimens. On this same Chin, in the subalfine region I very much lower than it occur, on the White Mits we also for the Bartsia hallida. But I must hurry on merely asking leave to mention that as these above were mutual Discoveries of the macrae & migelf & he or I may possibly make some little article for the fores out of our summer, tabours, I should particularly desirt that these may for the present - unless will remain in considera. At Mymonth I had the advantage of being in the company of Mr. Oakes our went New England botamist. But without hand added two Rhyncosporas to our Map. Catal: - R. cymoso, & R. macrostachya - the last wided is only a new station. I also a new Scirpus - S. dioneens. So that with RR. alba, Jusen, & glomerata, Phymonth has already more Rhymcosport Than Even West Chester co. Pa, as officers from Darlington. Teirfus traberculofus was also Exceedingly Common & abundant, S. subterminalis Equally so in the ponds, & S. subignamofus not rare on their gravely shore, I will fend you sp. from this station of all thefe as it is not enam. in your Man. Cyp. We found also Solis Jogo tennifol. with other New Jerpey fol. 6 Utrigularice were in full fl. in the ponds; and here will mention that U. cornuta has setaceous root leaves, which are creetish & not bladder- bearing! This is the cafe when the fol. grows under water - i.e. mostly immersed talso when it grows in the very wet mud on the margins of the ponds. This fact, first obs. by me was new to Mr. oakes & I cannot find it recorded. Theje leave, resemble considerably they organs of the Jame appearance which are found on the U. resupinata Green MSS" of Hitchwith Catal. a very beautiful new sp. also inhabiting these ponds. But I have hardly left room to express what I felt at the receift of your muspetted of very flattering invitation in regard to that part of your new Hon which will include the lichens. He apared dear in it will give me new Zeal in my prosecution of the study of these plants _ + if when the have shall

prove for the Elaboration of this order, my knowledge of the generally diffused forms prove sufficiently extensive traccurate, and by a comparison of specific from transfer dicherist, my doubtful plants be somewhat reduced in number— it will be the highest satisfaction to the to make a thorough synopsis or other Elaboration of the whole. To this sail should immediately procure to in study the recent arrangements of Eschweiter, Walrott 4 others 4 particularly I should obtain the various work of Hoffmann, to whom I am perfuaded some reference is get to be made. Hooker's View of the Br. sh. in his Br. It. is of course a model of elegance, but it seems to me he has unwisely neglected the motion system of Walrott H as he says (Pref.) he has, — 4 has left some things where he found them, which rest only on the Dicham of Achesius of theory so many systems— for beside



thefe there is Wahlenberg's, [invaluable] Sprengel's, De Candolle's, & d's by no means last; as his sections represent modern genera May lask how long a period may probably clapse before this distant part of your Flora is reached? Before visiting the Philada Herbaria I evould call and obtain your dischors & suggestions. But I am uncertain whether this should be the work of next year or the year after. I expect a large coll. of the N. Caro. Int. Lichen, by the hindress of Mr. Curtis. Maine must be thorough explored. And I am but an inexperienced hand. Except these many questions: which I fear you will them hasty. But however contingent, the possibility of a diright like this will influence all my prejent movement. I am dear sin most used they your like where man jums

DEAN File COLUMBIA UNIVERSITY.

Read of place put up a few plant,
and out the acquisitions of the past jeason mostly - some of which may I hope more acceptable to you. Here are forme Alpine Mants from new Stations - the mature fruit Nanfetrum Consadii M_ nith forme Cyperacea_ of Which Inning a second visit to Plymonth from with I have fast returned - I procund in a mature state. The Psilocarya is a most niterating occurrons plant. If was first detected in its Plymonth station by Mr. Oaker and subsequently gathered by me. The 2 new Map. Rhyn-Corpord were first found by me. I have rent two Eleochandes which I hope may prove to be to Something I two Cyperi which I could not at the time make out (are they both forms of the Jame sp. 2) - though I have not

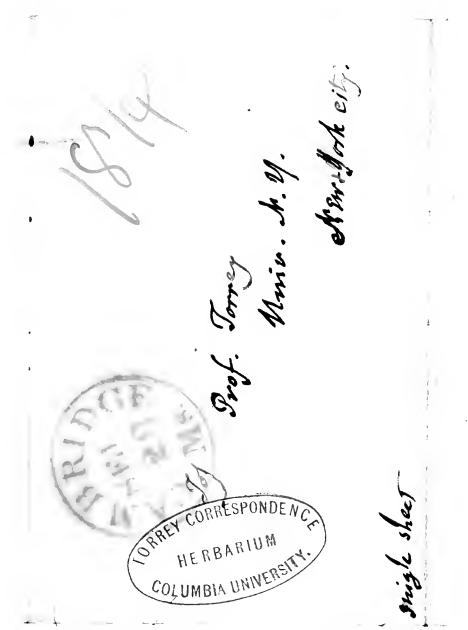
get her able to set down to the study of either of the fo with your Mon. Cyp. - I am not therefore sure that they will be of interest to you. I have run beed them I should be much gratified if you will give me their names. I have also put of some opecinens of Atricularia cornerto Thering a remarkable character - in the presence of subulate Simple radical leaves or leaf-like organs: which does not fear to have been noticed: though I find in Nastall's Gen. Of. this is mentioned very briefly in a generich char. It is also found in the new Plymonth species of hr. Greene which I also rens. Here six also Bigeton's Specines of Brigelow's Myridthy Kum tenethum - shewing that pl. to profees a long prostrate thizoma, Which throws humerous stems generally infertile, o submersed—The fertile growing longer & emersed. Here are also speciming of Betila nana & Salig repen, - which I luckily got with in the flowering state in June this year. I send thefe by Mr. Harndens Rail-Road Arrangement Who office is I think in Wall St. Jan. Dez. Fir most uspects that, your

HERBARIUM Stocksman jun

COLUMBIA UNIVERSITY. Prof. Torrey } Marie N. y. 3

I forward the package the tay. ! trust you will except the erroms of my labels. I have just found that the plant which I have sent as Rhyncospora cymosa is a Ceratoscheenns & Isuppose C. longirostris. Not having Tray's monograph to refer to & no specimens to compare with _ a The descriptions being omitted is your Monogr. of the Cyp. which I have I was obliged to defend on the brief descriptions of the older books in studying the plant. I have just saw that they plant is "I suppose, C. longirothis." But this I say only because I have no Specimen of that sh. to Company RETTE CORRESPONDENCE Can not be certain, It does strake the that it is a new species: though I do not know how inporter the characters are I in which it differs from the deser of G. hongiros try. As the plant may possibly prove more interesting their I supposed will mention a little more of it history. It was found by me land August growing in large quantitie, in a pond (on the margins) in Plymonth. Mr. Oake, subsequently visited the place - but though we carefully examined Every poind with hardly an exception in the Whole region (and it alound with them) we were unable to discover any new Station for it, in Sept. I have again the month visites Plymouth with her bakes to get wature plants of the various Cypencea we had previously gathered - & Did not succeed in tracing it in any new spot, It's I have above sais, the plant grows in about a boot to 3 feet of water. To get my speciming I was obliged to wade. + I did not see a single speciment plant that could be plucked without going hito the water. There were immense quantities in the horid. Ceratoschanas macrostachys [if I am not mistaken in calling it this species, though I feel quite confident it cannot be any other published one) way from by me also, much more commonly than the last, in sandy bogs adjoining on the shore, of the ponds. But while I claim the intensting oricordies — Seannst forget to mention that I silocarya, and

Frirena + Scheria - Parisma verracojum + Sicipus subterminalis o subsquare orns + a score of other owe their discovery to Mr. Oakes. The first alone, I suppose, is worth all the rest. To the Experience + observation of this gentleman I feel I am very greatly indebted — as every one will feel who is happy enough to know him. I have rather over 30 specimen of the frist mentioned Ceratejahænus + rather more of the last — so that I shall be able to furnish you with more — if they prove describbe, I collected nearly 200 - but they were with left behind by mistake + finally reacted me in a very bad condition.





I have discovered the copied win on the waste part of Boston Common, which I think must be c. glancum. This is called "oak-leaved" in Hook. 184. Fl. of the leaves of sthy plant resemble considerably those of Concreus bicolor. This small with ascendent branches, The spikes are composed of leafless. The leaves have a grey bloom. I regret exceedingly that I have not a single specimen. I gave all mine to the oakes intending to collect again — but have not been able till it is now too late. I will, shower, obtain one from the Pakes of send it by the next of portunity, with a few of the plants, that I have not been able to send at this time.

Dear fi ain? Oct. 24 Panhidja 10ct. 1839. You must excuse another reconchement ou gone valuable time, or I cannot but tell you how much I was delighted (I need not add instructed) by your letter of the 4th all first recieved I regret that my package Did not reach you is I lad intended - and will take care that this shall not occur again. In regard to the many errours of my labels, though some are not vemashable in one so little advanced in the Science, they are owing entirely to the fact, that I packed up specimens of all my Caperacea - before I had myself studied them with the books. The Cyperi I had not looked at with a leas now Compared. And the Scleria was in precisely the Jame cape. Mr. Oakes & I wen both too busy in collecting to make any examinations of our plants. And Ish-Those this to be (of course) our Mass. already known sh. unknown to ma, wit was triglomerata. But the very morning of gesterday I recicaed you letter yesterday evening) I studied carefully the plant & before I read your correct troi of my label had it finally put away in my herbasiam as "S. reticmater." This is greatifying - and yet it seems I could hardly have helped reaching this conclusion - as the agreement of the plant with the description is perfect - and your remark also in regard to the distinguishing chand the not could hardly except notice in studying it. I have never fear much of Lacturea witegrifohi. The Cambridge stabin is a sandy common - producing Aritida Dichotoma, Parfalum ciliatifolini o Vilfa vaginiflora, and have it is very distinct - as I! think I my specimen, then: I have always soffold the sagitate leaves to be the best character of our plant. With earlest to the subalkine librorum which you appear to casise Viedule of Prist (it seemed to me you did not speak deciriely, but perhaps I have erred in this) I cannot but say that if this is Parts plant, it stribes me he has characterized it incorrectly as well as wife feetly. Ind then he found his plant or the bands of rivers though a large extent of the

U.S. while the seems a rare and little known Northern form. It was decidedly subalpine in both the stations from which I have sent it. At the White Mits. at an elevation of near [I should suffer) 2000 feet - ton the Manifield mts. near a thousand feet higher. As remarked in your florales than V. oxycoccus: which I did not it is a smaller and lefs straggling should than V. oxycoccus: which I did not neet with till some time after leaving the sinuediate region of the into. The large Xyris / X. Caroliniana) grows only in the water, as is the case also with the Ceratoschamus, (C. macrostachy, var. of your letter) in Plymonth. I did not observe anything to qualify thefe statements. Is not that Ceratorchaus a very district looking form from C. macrostachys? I see the nut, resemble each the perfectly - of course I have no doubt the fact is as you have decided: but I cannot but mention how striking the difference, both of habit and habitat afferred. I hope you without do not consider an as wedding rashly in thefe Difficult questions. I am very glas I sent you the tall Elevehairs that I labelled &. thereulofo. I put away the plant in my collection with the senaller of long way different true E. tuberculofo _ with the sage commentary of the bottom " Dr. variabilis: " supposing the Difference were owing to immediateness Ha richer soil! This I have amended now - & deposited the stare stranger is it own paper. Finding this species at Plymonth, brought it to the sake, & asted him what this tall, wing Eleochanis could be. He did not examine it, but said be supposed it enight be as above. He post pour examing These plants till the writer. I I found an Eleocharis two years ago in Cambridge, which I could not make out - that I think may move to In this spaces. It is now at Morevich, with a few plants which I carried Som some time fince - but I shall compare it with the Hyworth pl. as com as I can get it : and will inform you if it proves to be the same. Hough this I do not think more than possible. But I will trespap no further with this recital. I have not had the pleasure to recieve from you the Arma . Cypersce a, and I bought my copy (a dupl. of that no. of the Annals of the Lycenn) of her. Warrer our Conchologist & Virtuoso: who I undertood recieved his set as with as they number from Dr. Yay of N. Y. Your kind offer of a corrected copy" including the Rhyncorpord of Dr. Gray will be sivaluable & I shall be delighted to recieve it. If this is not contrary to your custom _ I should be greatly pleased with a wind on the fly-leaf in menony of the donation.

you were haid enough as a previous letter to offe me the use of some passable evening on the hepatica. Though these would undoutedly give and an insight mito the structure vorgans of the fa plants, of which I am now perfectly sestitute - I still feel I have laidly time to attenfor the study. I merely pick up striking forms, & when I get an opportunity send the to those to whom they may I think) hopibly be valuable - o their I leave the matter. The mosses have always read to me the most Difficult Division. Att Comployanich Mant. And as I feel I have some hold on the lichens I feet I ought to devote all my time to thefe. I mean that I have some general idear, I the knowledge of some form of nost of the Jenera. This being the case I collect these to study - but not the Mother - which - or wither of these - are enough (it seems to me) for any man. I therefore think that it will be best form he to decline your heirs after - at least for some time to come. I shall endeavour to Jan's you the another collection of my more cursons plants, which I could not get ready before. Among thete are Vilannen undam B. parvifolium, Bigel., Polygala cruciata (fl. albis), Chanopodriin glancum, & Gratiola aurea (fl. albis) Sabbatia chlorides (H. albis) Digitaria glabra & filifornis & Parpalum ciliatifoliques BARTION The lash all from Cambridge. I am rejoiced to hear of Part III of the 71. Amer. This is wideed a great work. There seems little enough Botanical fleling in this region: and Bigelow is still the manual of students - though he enumerates so very few of the rare frants of N.S. They Seem to look on the new Hora as something beyond them. It is in vain that I say this is only a stronger reason why they should study it arrangements & tell them that as Botanists they should feel a delight in a work to of such science, whether they are get able to to appreciate or understand it or not. Perhaps indeed it is true that M. E. is behind the age in Science. To be behind the age in learning is a complement _ and I believe we deserve it in some degree. But we must make no bretere to the Honon that is one to modern Science. And it may take a good while to bring us to the standard of Europe & tive York. We own all to Bigolow, but om all is but little. I will take leave to mention my addrep: which is "At Mr. R. Morse's, Cambridge". I recieve bundles safely by the Camb? Omenhus. I still reside at the Unic " though I have taken my degree in the law - + mean to for the present - as it affords me the use of some walnutle foreign herbaria & some necessary books of reference. I could

hardly help writing you in this occasion _ but I regret that the letter contains so little of interest. I trust you will present me to write your sometimes, without meaning to trouble you for an answer. I wrote you in cefly to your letter of trug. 20th the hope the letter ceaches you. It contained a few enquires in cegard to the Lichenes: and amexpression of my feelings in regard to your very kind proposal in celation to a Equoposis of the North-American Species.

I remain dear sir, most refect of they your 3d. Theksomen jump Prof. Torrey. 3 osstal E le a rem a service in the a man is the e . s jeden . s

Pand Novi Tile.

and. De 1. 25



Dran sin

I had the great happiness of seciloring

yesterday that beny valuable parcel of plants with which you have enriched my collection. I am indeed gratiful. The Cyperace a An especially valuable at this time - as I have been endrawing to study all the species that I have found in this region: be thefe rare & curious forms strike me with a peculiar interest.

Itwo the phelogrambers plants - & above all the Schizela, Lane persty relighted me. The valuable Leguminosa, & Labrata - the Fordyer quercicola - I in a word all _ an the way gens of my hubarium. I hope I shak be able in some degree to aufour jour keridnes : though discoveries & novelties in this region do not come along Every-day. Phymonth Lowever must still contain und Eteloped treafmis - & I hope another Scafor will Enable me to gether something hen to its Hora. The last two seafons have been crowned with such dignal forces - that I cannot but their another will not he profitles. Be apared I shall not forget my obligations to you. The Van Diamen's Land lichens Town also smuch pleafed to see. Jome forms stike me as very similar to, & probably identical with, ours. Their have a new aspect. I shall examine them carefully.

I am also very greatly widetted for your valuable preside of

a copy of the Am. Cyp. with Dr. Gray's invaluable managraph I other work at the end. And here about me to state a difficulty which I have found . I found among the Cyperacece in the package a fine specinea of Ceratischelius corniculatus for Langiana, "This lendesbonnes to examine but with only the following success: _ histend of the oval shapes nut represented in the plate to Grays Chyricosford - I found only a long subulate body surrounded with what seemed very long britles. I think it must be immature: but was I mistaken in supposing the britter so long? I am Sensible I may very probably have committed four mustake here though I examined a good many spikelets with the fame result. But I have forgotten to thank you for some of Dr. Richardrons Carrices. These I value highly indees. And also for the grapes which an all so interesting. But I must stop here. The grafes or carious new to one Baston region that I have found as yet are the following-Paspalum ciliatifolium, Digitama glabra, D. filiformis, Panieum clandytinem. Carex Oederi, rosea, muricata, filiformis, virescens, Sylvatica, - Thefe at least are the most interesting. Beside thefe I have a small subalfine Evidenmen, which were Nattall allowed to be what had maked it, a rebalfine form of E. polystachynn. This grew on the Grand Monadarch enter in At. Bat What is more interesting I think I have found Chrysoplemian afternifohuin. I gathered a single specimen only & that not entury satisfactory in a subalpine revulet on the green sorts of Vt. The leaves are alternate & the plant affects not only to Dife for G. Americanum According to Howher it would feen this has not been found in The U.S. I shall examine it again, I if I do not find that I are in errow, I will send it to you : though, as I have no other

spacemen, I showed like to have it again. But I begin to be sensible I am accupying too much of you time. In I have said nothing of the many The interesting to friches questited in you letter he regard to the Lichene, I shall only say that I feel quite out of place among the vini illustres with which you have apociated sal in the englity anich Flora; and almost fear to undertake what must be some so well. But I resole this writer entirely to the Chans. No left than time bundles - the acquisations of the past season are await, by examination. And I shall go over again the whole of my collection. I have Scholner, Ach Meth., & Prodr., Sprea gel, Wahlenberg, Halsey, & Hooken: & I have Sent for gamons of but backs - but with the same invariable want of success which has always met me in seeding for the books on foreign Catalogues. I never get recieves a single volume, & yet the backsellers transmit the ades (as I understand) to Longman &co. The Empetime subran must be very siteesting; outer cially as it gives us 3 species of a genus so small. The Aragrae I sow in the Host. Reg. - that is the name & description. I am very glad Dr. Fray has been able to Definire it of its babarons name: " was afraid it would have to stand - unles wided at war judged by the 2232 Canon of the Phil. Bot or any the Canon of good taste: - on the ground of priority. But it keens to me

Canons are little observed in modern nonenclature; and get Lincens's Seen underiably correct. But I must conclude. I remain dear sin most refuelfully & truly your Et Suckermanj To Prof. Tomey. S NEW York COLUMBIA UNIVERSIT I found with Trichelostylis weeromulate "from Lonisiano" a little plant - which after some strong I think may be "Isolopis carrinate" of your cyp. It is small, capillary - leaves with sheather - the spike "growing from the Tile of the cular about half are suich below the strong of the spike "growing from the Tile of the cular about half are suich below the strong of the strong the Summit the scales gibbons - & the mut papillated - + tonangular. I mention this Since, on it evident it got in by accident, I am not sure you can share it. I believe however I will venture to return you my thanks for it: "especially by added, that you have ree's this Isolepis from many parts of Louisiana. "This is the way I suppose it got in. But and worse in considering it Isolepis carrieta? HERBARIUM COLUMBIA UNIVERSITY:

inid. Dear. 25th

Cambridge 23 Nov. 1839.

Dear sir

. I have just finished the string of those invaluable

Pan Diemenishend lichens . I haste to informany the regards of which I have arrived. If enough these naw be ensured, the every is not an easy one, but I have just come ensures in my conclusions. I wonth, as usual, trust you will exerce wholever is wrong.

No 29 . Stereocules parchase, our.

5. Streta demacornis, Ach.

7 - Sticta dijecto, the (part.

7. Sticta crocata, oten. (hout.) Thefe too last we to then.

9. Sticka annala, ten. sur viringue villo inscuto.

3 (a.) Stick laciniste, steh, I am not seen that in specimen are, not being to Nong. I e Cophelle & their contine, on how yellow, - particle interembers", or otch. Says of thosp of S. inciniste, now not while, as they are in the 7. And though Nong this plant, one in different periods of growth (this being very day) there are skill apparent Differences in my specimen with lead a trongitude of distance ctorf.

22. Spherophoron sombrepum, te.

10 (a) Parmelia conspect, til

28. Parmeli consport, B. Stenophylle, Ach.

10. Parmen. perlara, Ach.

11. Parmelin possibly caperate in anothertate . specime to small to aster of in

5 (a) Parmeha. mini incoqu.

13. Paratia. This belongs to That small group which wich we P. physodes, diatry pa, offices & Lord of the May it be P. interomorpha? But The Apothecia are quite remarkable in our plant which character does it appears in the desire of P. . Ture page . I sent you specimens

of this very species last year, in name, which I with the Alpine requirity the White With. I have fine found it on the hignest of the freen the in Vr. May I isk your spin ion in regard to this witherting lichen? Paraps you popen P. enteromapho, a companion with Which would decide the matter. The primary Apothe in justich an very numer Evons commonly) in large, cyathiform, or gobles or perhaps hat solated with a very considerable concurity. These Apothecia have the lower part to namons as to prove frequently a perfect pigue of a gobbet. In maturing thep Apoth. change considerably by the ripening & consequent growth of the risk which splis the margin; & they then foresent the pleasure of large flat summary mate Sentella. Altogethe it is the most curions Parmetin I have feen : and I should feel greatly ideligated if you would space a minute to give me your decipion upon it. I shall send with a parcel I have just got seady containing a very few plants of trifling moment which I was anable to get ready before: & as I sent you be fore a Vittampshin specimen, ? with now port one of my bermont glast. Both are identical with that from Van Diemen's land. I think you will be "leafed with it appearance in a wet state - + it is well worth the troubt. 26. Usnea florida, var. near var. y. strigosa! Ach. 27. Usnea florida, var. near var. B. hirta! Ach. 25. Cladonia retipora, Spreng. Most beautiful. 24 (b.) cladonia. 18. Cladonia. 19. Cladois

24. Cladonia. 20. Cladonia. I can oringinh this from Nº21.

Hooker quotor Sir J. Smith is raying that " to determine the specie, among the cap-pearing lichers is one of the most difficult problems in bottom."

This resumbly applie I think equally well to the whole gener, whether I the Scyphisform or subulate-branched Chadonia. Some of the Van

Dies ; but Chadonia regenble our forms & are perhaps someties of some from species but the mor have a different raint, & (particularly 24, 20, 21, 24(a)) Seen to belong to a section Athe gener which is not apresented wither in one Flore (as yet) or in that of the North of Emope. Per aps also the very ensions C. retipore is one of these forms. I have not forceaded in finding the fe described in Sprayel's Syst which is the latest authority I have here - but shall endeaven when I go in town to bok further. The nabit of the SPOJOEN is my med that of the coespitore Getraria & some ofther agents on much fat gina I specimens of C. Islandica. As a they specime almost equally cartilaginous. And now I have to thank you for affording me this delightful & instruction exercise. If you find I am correct in general in the conclusions I trust you may be induced at some other time to give me another of portunity. But Van Dienen, and plan do not come along every day. In this branch is in every other it is only the fact that your specimens are the very jewels of my collection: & there for it is not wonderful that I should be derie of acquing as many as may be. I shall prepare this winter a continuation of y article on N. Eng. Lichenes containing in I am now sure, some very witerstring forms, the discours of the part scafor. If this virter is opin, "anticipant auso collectry considerably. With nothing to take of the Attention I have former the writer by four the best featon for collecting (sicheng. I shall pay particular attention to the constaccons rupicale, of which I have left them of any other branch. And I want nothing now but

Those wideed enong i to wantical perpoper - but still there is hardly any thing that I do know of that has been fullines on the Lichen that I would not yearly purchase. And this remend me to tell you how much I was pleased to other day it the is minutes of two parcels of Englitogenous plate then ble In Cushing of Salem, & her I saw then were in The Reed buy facely the package car report with Duby of Seven acond fills and it And the harm Compos. Cambridge of Books " and of Mr. Einera the President of the Boston Jociety of Natural History. I took the liberty of citing one or two of the plants in my head. as I had not before seen anthoutist specimens. Excup this provising & Achen me, clear Sir, and expectfully - truly you & Tuckomes jun.

Rec. Dec. 237 -

and-Dec. 25 lbs

Cambrioge, 26 Dec. 1839.

Dear pir

About a month fince I formaid.

id to you by the -Harnden's conveyance a small paskap of plants - including one or two of some value to Ine - & some other which I rentured to think might or some account of or other prove acceptable to you. freviors to this I addressed a letter to you the ongh The snail, containing some account which you & had intimated you would be pleased to have) of the Egult of such Study as I had been able to give the licheng from Van Diemens and with which you To hindly enriched my collection. Not having heard to regard to the, though I know your valuable. Time must be very much enjoyéed, and law conficions

there was little as nothing that needed an wine oning ach howledgement, not to theat of the many hind haverne with which you have to cheen I know you in my prompriet of the Riena - 1 state one les to inform you of the cicumpants - both because I cannot otherwise be sure you have recieved what I dent - talso That it with remove the unpleasant uncertainty which attends this State of Suspenje. I had hope of in this decond package & wider expected withour sould to han her ath to send you the Boston Chendrodium glancom, & several other things, which though belonging only to me, were with in The baker's popular at formich. A visit to that place for in purpope of going ova theje to the plant with liv. Nates had been Insposed by that gentle on to apenter to by me. But it is now very long friend I have here at all for him, & not feeling that I am perfectly aware of his methods of proceeding I feel them is an in peopriety in giving you the reasons why I have from unable to accomplish my purpose in regard to the

show meetines pract. After ucienj your letter is detail of the plant seet by me to you for Tymon " - I canmunicated the wholever of if to her our, in a later sommesiately subsequent to the receipt of your . Considerably to my surporte de las never achuented to letter, and han I since heard up are from him. Ander the circumstance I was of course unable to oftain the plants I wished to fend you - nor am I alle to say when it will be in my power - I consider Hat Mr. bake, comed not with respon how taken undragor my commencation to him of your decificing respecting to Physich Hants, though they Differed considerably for his - tribeed When I wrote to him, this sid not recen to me as properble - I know of nothing else which can accomp for his filence. Perfectly wome as I feel suggest to be, and in entire ignorance of all the real circumstances of this maker, & most unpling to gain your ofinion in regard to and If the lichens mentioned in my last letter, I trust, dear set, this Strupion letter may be recieved with form - on or from yours most expectforty of truly To Prof. Jorray. bot dicherman finns

I have felt Migis to him now the comment above detailet, and to werter in connexion with them the sure of so. oak, -but for myself I cetain for that justeman the faire coffeed-I lave had for him en fine I had the privilege of waling his acquaintantes At I have said, I feel I know nothing of the real encury tames of the cape, & have freely weathours

to you what has occurred only becamp I could not avoid sois so doing. May I ask further that you will let this letter remain in the popur Degree of confidence?

Las My LETTE III FUNDE Cond. Che HIBIAU NEW Cambridge 8 fu. 1840. Dear sir The wident hate with which this little packye i made up I am just getting of for the White Mountain to ceture through Maine and am offiged to so whatever I may, Heedily. Jam afrais there is little if anything in it of much value to you, but I desire er least to thew that fan fevroble I you favours: I would, to the best of my ability, sepond to Them. I hope to get forme their of interest at the Mountain - officeally in Maine: Whener Mr. Nuttale has gift brought an Empetime which I teld how thought might profishy fe that E. mbrum which you repeate in your deser. of E. Consadii, + also in

I letter to me. He considered it identical

with the Polyworth pl. when he got it, but could not give any opinion in segard to E. jubrum. He also found an Arenance very near apparently to A. Joinlandica - but growing at a lef elevation, and Somewhat different: I have fond the fare plant on the Monadnock monetain in N. H. I shak inform you of my buccepter (Ef & are favored with any in the mountains t neamhile dann Dean Mi Jon mo. respectfully & truly Son. Thehry an Juno I am (as are all here) delighted to have the complete I of wol. of the Hora -to bind up - and up. Numbers are so income penient that I shall not delay of. May you he prospered to the end of this great and andwards undertaking! For who of botants Dog not feel personally interested in ets completion? And This remains me to ash you if you remember saying something about a set of British-American lichene, - that I was to have the privilege of using. I and join on as I may, but with the exception

of one or two European Horti Sicci - I have 20 specimens for companion: + showed be aideed glad to get any. Could not you favour and with forme of those cumm. in your Catalogue of The plat of A. Y. 1819. I have written her Halrey - about a year fuce, for one or two Described in his "quopt. View, but he has not replied. I have a fet opmøsser from Dr. Greville (They came to me from For Sombleday who got them of Dr. Grevelle; I a set of the algo I am expecting the arrival of from the Same & itinguistes botant (theory mr. Double-Day) - but no lichens. "A Further Enam. of N. E. Lich. "is in prefs, by me, in a forthtony No. of the Boston Cociety journal: it will contain two or three specie, of interest. I hope to get more wer The White Moustains They season! If it be not too much trouble, I should be very glad to have the right names of two or three Cambridge Carrier that I have feat in this parcel, or we have not abandoned the idea of a Catalogue four plants, at forme time or other. Plage excep the infomality of they note which i greatly hurried.

Frof. Tomey
Coh. of Phys. & Surg.

New-York

N. B. My parcel will be forwarded by Harnden's Express. I shall leave it at the Office this (Saturday) morn.

Reco. Sept. 6 us

and. Oct. 8th \$40

Gambridge Majotts. 4 Sept. 1840.

Fear sir I forward with this a Small parcel of the plants collected by me in New Manpshire the present season: some og which with I hope prove acceptable. I succeeded in finding a few that had only (so fai as I know) been previously found by gov. Onkes, and belonging to the variores of our alpine Hora, - but nothery I fear, in the phelosgamons division, which you will consider new. Some were however, very mitteesting to me, - such as The series of specimens of the grafs called by me on a previous occasion Aira prilosenscula", tothers - I was told by Mr. Macrae of Montreal who recently visited Boston, that Dr. gray considered this grap an Agrostis, but I am unable to cite any other name for it than the above, until I hear Justher. I noted on the label of my specimens originally

sent with the above name, the extraordinary character of 1-flowered spikelets, - but it did not for some reason or other occur to me to call it an Agrostis. There are other plants in the parcel which I should be be very glad to know work of - t it is possible fine of them may turn out to be something, - but the, you will savily decide. I do not know when I stall be able to fit down to the study of various of these which I have that unhamed, and I have therefore not resitated to fend Them as They are -I mitended to have visited The station of mr. Nuttall's Maine Empetrum - (in regard to which? ventured in my last letter to propose the question er gref - if it were not "E. rubrum", referred to by you: but I had not compared the specimen with your diagnossis of E. Couradii, and felt it was ha-Zarding some thing;) but was freidered. A new number of the Boston Journal of Natural. History is in the Josephere, and also a Report by Prof. Deven to the for on the Botanical Survey of the Commonth. From the former a small article by one?

on our lichen, has been struck off, and ! take the liverty to present is to got with this. I have just recived a valuable box from my prind mr. Doubleday, wieleding 4 bundles from Dr. Greville - 2 of them Alga - + the other 2 miscellaneons. These were oftained by Mr. Doubleday, as I understand, by exchange for American injects The bundles contains halfa dozen lichen from mo. White of the Br. Museum. Thefe are from New . Holland but quite inferiour specimens to your from lan Diemens Land. I have ventured to note on the label of the specimen of Potentilla minima, y., dent with they - a guery if This were not probably the plant mistaken by fund for Sibbaldia procumbers. The resemblance is very com-Swindle between the two plants - and it feen no unfair supposition that Purch might have been wholly unacquainted with the species "Potentilla mineria", to Which the little plant of one mountain is referred. of this be correct, we shall have the satisfaction mistake mistake mistake of striking entirely out of our Flora, a there which has

Led, I know, to more than one wild-goods chafe. The Carex about of Nutt. I feel quite fure must be the alpine var. of Carex limited sent with this. Not. Freene has hindly favoured me with a specimen of the former fine glant from the British mountains, and Jam confident we have nothing on our alps cesembling it ex-Prof. Forrey. Prof. Torrey.

and Mark 29th A41.
by 5: Grant.

Cambrig Mass- 1 Feb. 1841.

Dear sin There were two or three plants that you mentioned at your auspiceion, brist in Detothers last, and denied me to find you. The fear that They homed prove of little account, alone, has huidered my vory so before. I have now put them up. with a very few others, and send them by Harnden. In account of the finall no of specimen, I thought they would bet zeach you in this 4 to Meneoir which I selected as the most convenient they to put them in, as I had no pastabound. The triburna, I have no bout me the true W. medam & pyriphien of the Ft. Bost. As &s. Bigden' is said to have long given up the bunish of exchanging - I think they may have forme value, which they would not have Up their our account. The Monadnoch Julant your just below the bald rocky Summit, in abundance. I gattend what I supplied The James

pl. or several of the free Mits. in Et., and have the Specimen ni my Coll? And I picked a fruited specmin, zidnig with Mr. bake, somewhere in Physonthe County, which he said was V. pyristuin. The V. mudum of Cambridge, is as Bigelow remarks, so far as & have off; name. I have never been able to undertand the Differences between the above I pyrifolium, and the other, very satisfactorily. I send also a fel. which I found in Physionth, and supposed to be identical with the V. mudan B. parpifolium of Biget. find by Mr. Freene at Sandwick, hi the Phymonth region, about 20 wills further south. Mr. vakes was with me at the true, and when I show it to him, thought my supposition probable. I regret I have never thought to show it to Mr. Greene, but zom with side. If the specimen is not of any particular value, I should like it again, as I took it from my Alection, but otherwise, it is prespectly at your Service, and I am very slad that it is of any You wished me to Tend some more of Cares Scripviden which I have done, together with forme of my little Aira sive Agrostis, which I hope will be

Hefe, with Mr. Nuttalls two Discoveris oflast fummer, and falum venu for a new station, and one or the other plants are all I can get together, That with any excup, I can bintum to tend. But ? nope you will not be unwilling to late the will ja the Deed. There is also in the procel a copy of the recently Jublished article in the Journal of the Boston Soc. Nat. Frist, on Lichen - which I have taken The liberty to injerite to D. Fray. World it he Satisfactory to him to recieve any of my alpine plants? I am Denions to Stands a few from nin for my collection, if it some be gang Offer to him to receir what I can rend in cutum. If I may particularize, a few Carice, would Lamuch valued acquisition, and I should not can what species they were, for the most common and Dificult as the most some. If there is anything of the Maite Mountain plants that he would wish, it would gratify are to put them up. But I would not by any means take up his time with the Omdgery of putting up specimen, unless there is forsetting that I can and him in setum.

Mr. Greene has sent me all his lichens, including many of value - Though they are not awayed, nor all named. But many I not hope to see some suthentich American specimens, such as you once promised ene? I have had to depend whole on foreign books and foreign specimens



nestly I long for that africture which your specimen of our species alone can give. The want of this Led me to the dangerous step of making two or three new species in this article which I fear I may have to take buch, though at present I see no resear. I am Tear si most respects than to take buch, though at present I see no resear. I am Tear si most respects

Red. afer Red Ain? april other Ad ! Cambringe L. Mas. 1841. Francision Being about to visit England Me. frante to inform you, in the hope that I may have the pleasure to be useful to you in some way. I shall be happy to take any letters or purcels In England; Paris, or Jeneva. I you have occapion to fend to Ti M. f. Booker, Stof. It Candolle, St. Booth, or Mr. Duby (to whom you advised one to write I and and mention the beaut as much Jour companding it with greatly gratify me. have never before been placed in a filuation to Elexine letter firstrædretin and feel a food deal of Delicacy in regard to them. Add to this that . Gramptones in which I make the Enguys are fach that I cannot expect to be marter of my time at my place, and know not containly where we

may go, and I had almost resolved not to trouble you with this, not knowing certainly thether you would have any they to find. If however you will enable me if cricumstances Shall permit, to see any of the distinguished fortanists that I have mentioned, or any others, it will be a happings to me the rest of my Eight. It is possible I may not return with my father and his family, but remain behind a year on theo, ni which case also I may purhaps be serviceable. Dr. Darlington with whom I have had the green The efect to make an exchange of plants - sends Something to Si W.J. Hooler by me _ and I safige I shall take Several letter, from Mr. Jones - though I know not get fasitirely what he means to do. We so in the Scadia fleam-this, which fails on the 17 the same. I Amis.) In laste I som den sie most respects & trop Ed. Tuchenanjer July. Loney New- York O.J.

It. me months suice I sent a small parcel of plants to you by Hamden's expense. It contained a few that you expressed a with To have fent and to thep I had nothing that I could add. I hope they reached you. If you have any thought of sending me my any golants they will be particularly valuable, as I me in to take out with me what I can. I cannot fortear to mention the, but I shall not be surprised if you think best to postfrom the maker for the pregent. It does not deserve a maments trouble or thought.

Is shall be ven happy to take any this of

. 18w- 11/2h. lotte-Phys. o layle lears Res? Apr 19 12

BOTTON 16 April 1841 DEar sin I had the morning the great happines to receve your invaluable package. I shall not attempt to express how it delighted me. Allow me to express to you my warmer acknowledgements for this great kindness. Will Dr. Gray execuse me if I do not at they time particularly acknowledge his very kind pavours. But I am overwhelmed with matter, for though we do not fail till tomonow - everything much go on board in two hours. I hope to make fuch use of the opportunities which Jon and In pay have so generally familed we with, as to be of more jewice as a correspondent when I get buch. It is videed a great they to go they moveded: and feel more than I can say. I will carefully abound to the parcels for the 82;tinguished foreign Justinen with wet you have entimated me. May it be granted me to fee The illestrong Itandotte !

But I see hed is fich : and I fear by your tetters that I may not be permitted to see The great Botamist. for Bankers in ound on one the Mens Barrigs. But you must permit me to except myself and to speak of - that traste which obly; me to day little where I would say much indeed. If I remain alroad I will inform you, and lofe you will allow me to be of service to you and to D. Juny: to whom I would per-Sent my thanks of best respects. I remain dear sir hast respect of truly Your obliged Serve Eddnehemanja Prof. Joney.

P. S. The lays parcel of plants is the greatest beafan I take out. My Friend has given and another wivalnable set. Ind Par. oake; 'Lay Junished me also.

HE RBARIUM COLUMBIA UNIVERSITY.

Lote: April. le Surge Swife: Joins Joy 119. *** and G or Gray
oct. 1842



Bea. Sir

Our party being now along to return home, and meaning myself to remain behind, I have Sent by them some memoirs and books sent to me by gentlemen here for you and Dr. Bray. Thefe are all directed to the case of Dr. Harrio of Harv. Unia. There are 7 or more from Mr. webl, which I have just up together; 2 from Drog. Alph. Iscandolle, I from all Newman, of. Three letters also sent me by Mr. Webb, I forward by mail. I shall spend the winter at Bealin, where I hope I may have the privilege of hearing from you. It I do not know as get where I may refide, I should beg that my letters, if you should so favour me, may be sent to the care JE. A. Welch Ey., a zonny man studying at Berlin, who is settled there.

I have enjoyed exceedingly my botanical advantages on this tour. I could hardly have expected to fee to many lights of feience as I have done. To you and to the Gray I own it all, and I count expent as I would the deep feufe I have of his hundress and yours.

In Britain I have seen Sei Ivan- Hooher, F. Ineville, Dr. Lundley, Mr. Bentham, Dr. Boots, M. Menries Mr. Bennett, Prof. Balfour 1 the Jucceptor to de son son. Hooher's chair of Mr. Newman, Mr. Loudon, Mr. Lambest, I others. Above all I have been the great Robert Morown " as Mr. Auttall duce called him - and was than once. It. Treville, hundred was great; and I never Josed more happy hong than in his house . I have been There times to Si W. Hoohers. He is charmingly fitherated, just out of hew - the house and the grounds being both just the bear ideal of comfort and conrenience. The library + herbanum, the last in a fener of Moons of the Same size, along an appea entry which is wholly appropriated to the purpose, and the plants are anged in cafe, around, and also in the centre of each room, struck me as juperion in commadionences to any I have feen except, the heets of the Garden of Paris. The view from the library of fine old class & a green lawn beyond is very fiveet. Mr. Webb of Paris, was also most kind and hospitable. At his table I had Turci opportunities of meeting foreign botanists, and he introduced to almost all the Pannan investigators of the science. I was prefented to Mr. Delite, Mr. Ad.

Browniat, Mr. Gandichand, Mr. Maire, and above all Dr. Montagne that excellent man. I saw also Mr. Jay, Ar Guillemin, Mr. Boysier, Mr. Decaison, Prof. Jenore and others. The Baron Delepert received me with the whamity of the old regime, and gave me free perimpros to wint his library & other splended apartments contains the great herbaren. But I must stop. you will hear by this prachet of the death of Decondolle. When I was at Jeneva, enjoying the kind civilities of (hog . A. Decandolle, though I did not wenture to ask to be the great botamish, he was not confidered to be in a state of immediate dayer. I have time to I could have feen him had I asked. This was about The 11th of Aug. Towards the last however, Lie Bla. Stocker told me his fuffering: greatly increased, to that it was evident that death would be the only Estist. Droppy on the chest was the minediate carry of In dipolution - but I believe this ever accompanies with a general breaking up of the system. Mr. Duby Told he he attributed this proftation of Decaudolle to his laform on the composition. The other botamily and enment men above mentioned are all well. W. Menris as hale and as hospitable as possible. Mr. Lambert scened also in good health. He gave me a mepage to Dr. your

which I haste to delicer. It even - that he, Mr. Lambers, had found beenh's Carrices, and that they were at Dr. Gray's service whenever he pleased to end for them I am quite some I have goter the imprage right, but it was given he just at taking leave, and I cannot be contain about the words. I have you though with Clayton's lichens, balos with



Michanya's. Me latters Undrilicaria prestutata is ll. Penapylornesa! I want to look at those of Walter's herb. (for he has gotten Cetraria nivalis down in his Hota) if you can favour one with the retices. I understand d. Gray visited the family, and nideed he wention, it in his Account of a Eur. Herbaria. Mr. Brown has gone by the way of gibraltar to Margilly o Horeice to attend the Congress of Malaration with my best thanks and respect, to the Gray, James ear for mith my best thanks and respect, to the Gray, James ear for most up of Tuchermonts

and . alm . 14 .

Union Course Scheness My.

Excup this short and humied letter which is only to ask your kind consideration of The little pamplet which accompanies it. Without your long Continued kingings, I could never have written it: my only hope is that it will not prove to be wholey unouthy of that kindness. I was led to publish This truck by the following wast. While in Europe I had fequent opportunities to procure plants by The trindness of the botanists to whom I presented par-Cels four our species. They almost invariably asked me what plants I preferred in return. My answer was almost always Carices, Cyperaceco, Braper on Juncie. I thus acquired a laye and valuable collection offair as - to which I'm Hasher with his great Tiberality added such break American Species as he still had specimen of - a large and openion very precions det of specine, - and the executent &. Vahl added an

all but complete set of the Greatand species collected by Lin. Men I got Love, my first desire was to Study my Carices. I began with Knuth - but did not get for without finding that he has widely Saparated thecies that belong together most clearly - for in-Stance when he takes C. to vaginato from the neighbour-Lood of C. pranicea - and P. rolundata from that of C. vericaria - and then puts these very Different species together with the Julva group.) and this led me to try myrely to arrange my collection, for myself. After 3 months of the hardest work which I have ever yet encountered - I got as far as I Thought I could get, & concluded to stop: not be-Course I was through; but because I could do no more. For my own gratification I thought I bould have a few copies printed _ & I have Ened to put it milo datin. Whether I have failed throughout, I know not: I'am content with having laboured well and long.

But I trush the next attempt to aways the Species will have been much facilitated ... by this - the enous quotiet will in forme degree Le as weful as its facts. Excuse my boldnep in this speaking gang little paper. That it may meet your approval is the rearty desire of yours most respects and truly So. Inchroman by c'mf. Soorey.

Godege of Shew fer.
Sough of Shireton 5

Low Victory Mr. Coll. Schenetts. My. May 1843. Dear Sin I was made very happy by the see? of your kind letter in cepty to my note Sent with the Enumeration of larices. I hope your final opinion on my attempt at awaying the species will also be favour-Ale. Dr. Gray has also exprend a very time opinion, and Prop Dewey. I have also recieved a very pleasant letter from the excellent & Santwell, whose experience has been so great, that I felt his opinion on the affinities of the species was very valuable. It seems to me wideed that no one could labour so long and Tedulously upon anything, without arriving at some Eenelts. I was very much pleased to be (Barrattii, which you must have warmly welcomed. I suppope it belongs of course to the good called Acuta", and is near to C. glanca, as widicated mi jour Monogr. C. Muskingumense; or arida must be district. And get the habit is that H. lasopadioides I think, while the spikelet, seem to denote one extremety of an ideal form, of which C. scoparia is the other. But the arrange of the Cyperogr., as well as the observation that all the

Jorns of fruit, narrow as well as broad, might almost be referred to one species seemed a confirmation of my view. C. pedunentata was accidentally omitted, though its place was indicated in the Prefuce - in Digitate meanest to digitata and clandestina. Boott actually places it between C. Mertensii and C. Franklinii! & Kunth makes a group of peduneu !

lata Willdenovii & nigromarginata!!

Go some of the

groups I have appended the names of Fries, Kunth De. But perhaps I could have claimed there. Fries's Montance, con-Sist of 3 sp. wich it was not difficult to appointe but mine of 23 sp.

But I must weary you no longer with this. I wish I had had C. Frasen, which I have only Jeen in Europe. But a third of my collection perhaps, is not wiched in my Enumeration. Such species as venusta, dangearfa, Barrattii 16 I did not recieve till too late - opothers as aristata of my specinery were not sufficient to Study - and fothers I could not arrive at a satisfactory opin". But I thought that without There I had enough to deal with _ as much I am Jure, I ever want to have to study again. I trust you will excupe me if I ask you, in case the memoir on It. Fremonts Olants is pout that you will Javour me with a copy - especially as I am most anyions to get everything on our Botony - I have even succeeded in getting your N.Y. Catalogue of 1819 - now very server I believe — and the copy you tent M. Sambert of your Enum. of Genera of Amer. plants appended to your each of Lindley. This will, I hope be my exemp for asking for the new Memois, if it be perfectly convenient to you to

funch it. purish it. I have thought much offend were the study of the Junei for a Monograph. I feel that I may attempt it, though a little look into hunth's lash volume makes me shudder at the away of species & synonyms - and the homible confusion in which tome spour most common the homible confusion in which tome of our most common Sp. seemed to be mivoloed. I hardly knew what names to call our Junei by, in the Cambridge Catalogue. But if you will let me try with all your specimens, I will do from Wahlenberg, Kunze H. Again I say, I will try; take good case of all your collection. I am sorry indeed that Mr. Greene is not a working-man in The publishing way. He is very fond of the Junei, and discovered some spour best sp. as J. militaris, J. Greenei, J. pelocaspus Mey. (fide htt.!) & (- 18mt he will not write. When may) I hope to ucieve them? I ash, on account of my expected trip to Mr. Katahdin, (with District M. Oakespe, I hope) in the beginning of July or end of June. I have constantly looked forward to the opportunity of having to send you for my Europ reollections. I have Mended Med of Carex Norvegica, C. Salina & C. maritima, Discor & gathered by me on the West court of Tweden, in a region of weh two Hora, had been published, 5 both of which there are omitted - and many they. I have also a number of Purch; M.SS - the whole of his first blanned work in 12° (See Viej. offing Hora) which was never

pub'- his own Map, drawn by himself, This routes - his presentation copy to Lambert of his Flora with all the species it would seem) noted, which Lambert popened, and many notes by Prof. Don; and some if I mistake not, in your hand. Furth's own Herben was sold to a gentlemen in the N. or English for t25 - but I have a very large Bundle consisting entirely of Pursh's Mants I wich. all the Carrier Junci, Oaks of St. W. Brown also way so kind as to shew me a coll in Square white paper, of lanadin pl., appar put up by a woman, but which he consid "Purshis collecting. I large Bundles of his Can-Loft former of Some Surfle pair ada collections, wholly without tickets of any sort, and in loose common paper were sold with the Cabrinet or Herberrien which worst. But I must stop, Most respects a sincerely your Edw. Tuckenamp.

Reg. Mos. Ind 1.13. I am just up from a Severa shewanted attach (my first A therefore not the cariest, which I brought from the Mountains, May this he have been for to aignificient and unsatisfactory a letter. I am delighted to hear that your department of the great Newyork Work is soon to be out. It is a magnificent plan. I was much pleased to receive your kind letter of the 25th which Inly reached me last lovening - thaten to zeply. I trust we hall soon hear that De Tray is once more at home and in good health. I should be Heard to reciew Mr. Buchley's Hants, if they do not much exceed the van mentioned in your letter. The truth is I am not get fairly engaged in the buying business - in which dir W' Awoker & many other aboad, and Mr. Greene at home have done to much; and can hardly day I wholly like it, It is too much The making a shop-business of Botany. It is this Ino more in M. Camining's hands from all that I heard. But I know it is not so here.

I acknowledged The receipt of the valuable Jourcel containing the Junice of Jurale which you do hindly dent me, I am sure. But I receased if just at the time that I was Summoned to Boston to Dee my bronound father for the last time: and I know you will excuse me if I for I cannot remember with perfect certainty) I failed in the proper acknowledgment of so great a kindness. M. Taker is hard at work on his White Mon Hora. He has been there the whole Summer making dessniptions of specimens " He has added Festuce vivip-& Daronychia argyrocoma!

ara Alwanda arcuata this zeas: four plenty offares atrata & Graphalium Supinum & Sone a oust deal of the hardest work. In deplember (I could not po earlier) I went to The mountains & vernamed till about a week Since, coll-Ecting Lichenes & Mopes / the latter for bakes). I also made discoveries. At Franconia Notet belonging to the White Min sang is a good I got Subulario aquatica. Isoether lacurting in all the frond, within 20 mily. Phinanthus Crista Jalle (in Situ naturali!) in the

V

alpine vavine called bake's Gulph, with Bartsia Vallida & Veronia alpina. I also found the Luxula & the Festuen - but thefe two Mr. Dake, had previously descoul. I attained after long Search to the height of my desires in finding a good stabundant Station of Aspridium aculeatum at the White Min. It seems to be faled that nobody but Macrae & I shall love come verofs this most striking & elegant term. I heard when I got there of some carrious plant in the Notet Hider, out M. Vakes was at home & nobody knew or would tell where it grew. I went to work I ransached the Noteh, tile I not only for it where bather had, but in a new tracy about focality, where I made 150 gins int large ding. It is a Varonyshia - I Dake, Jay Après argyrocoma. I got serval witherty Lichen & am beg hand at work in making out a complete Enum of the Mile Motor plants of this now. with desan for m. Takes. As Soon as I get their Hmy table - I have looked forward with great pleasure to Lending you all my ravities as even in outy bound. Alas the Aste ! Mr. Greene has my only two Specimen, which agree perfectly with his own. I have

hum so long unsettled not having thought of Botany till my trip to the Mit Mit Mit I that I have not gother back a spect for suppelf . I cannot find pain now lent will kend you the spec " in my forced - for exam" - if Mr. Greene has kept but one. The plant grew in this instance in open grap-fields between the 2 Colleges - with about the habit of of the Juri of A. carneus, which I thought was it at Spowich. The agreement of the Scheneck plant with me Festiva 15 Greens orig. Macines was complete, as he to were both batisfied. Queren macro carpor of I think Ulmus racemora were found at Schence tady I believe. I have spee on of the former: but a was not long Enough in the State to know what is ease there. Sund dear in Except the haste & defects of the about. I am dear in yours mo help of Orients.

April 14. 1843

Al J Roje they winter to get my plants all arranged, and the displicates laid april 14. 18 J. S. I have all Vahl's Greenland Cancer with ant. My coll of Cancer with Dreja named + described in his Revisio". Vahl told me at first that Dreja had distribed in his Revisio". whit all his duplicales — but he finally enriched me with a nearly complete set pormalis out his duplicales — but he finally enriched me with a nearly complete set pormal his own with. These of Wahlenberg's evere very mit Bostow 5 too. 181/2 everting to the Booth. He had never seen a Wahlenbergian Carer. I have looked pormand to heary ath to furnish you with some of these. I shall separate may own speciment the first thing astern I get settled. For your kind offer of malerials bor a (Dear Sis) paper with melling player accept any thanks. I shall try to work offer of malerials bor a (Dear sis) paper with the day acknowledge given kind favour of hard at Jonnthing beyond my carbing cutalogue : and beyond study with I must need.

The do " with a cerimo by S. Jay, the will small beyond allow the association of the source soidable hurry consequent on leaving home, to be some excupe for the inqueschiefs of these hasher his a should not have delayed writing to long, has it not been that my time has been wholly engroped, fire my return for showd, with - first - going to the White Mis white I accomp . Dr. Jung who was very facceptule and obtains him plants, not to speak of several of the racer alpine glants as Calanaga. Sylvatica, Arbeites alpina II) and after that a visit to Schenectary (I brought Aster Greenen home with me, wholly new to gray, who had feen only greenes is Spec mr Pickering - and to greene about as much, for he had but a progress to & knew not where he obt it - I going it growing not mecommonly on the Will when the new folleges stand") since which time I have been wholly occupied with the laborious task of packing up, to return to schene-Taky. My plants I have not get been over. The such is my breaking up of my apartments at Cambridge, when I left for Europe - left me on my return wholly without quatters. Like all other town houses, there is not room at my father's - or at least it is too limited for my Jonepop - did I not week juster the country. While I was thinking When I should fettle som, I was inevited by our old besteened friend Spormer Paster & Potter to come on there I see them. He eighter one 20 undertake the Lecture, in Botany, and I hope to have the carroymy time anditurbed for fludy. The gratification this microlation offered to those whose wishes I am not bond to respect - led me not to livitate - though if I consulted my own wither - I should not think git for a moment. Still, the place is pleafant I familia: the grew in sparch or had sent it to you once if not twice. Well the first time we rose out we stumbled on white Greenii! I'm spraich live.

Three years I speck there in thedy made me proquented with the place and I have hopes that neither party will regret the thing. It all events I am going, and whereour I go, I shall sattle for some years - this I am not anxions to be confling in order about one once more and nothody hater moving a disorder nove then I do . Excups their, dear tim, Don I could hardly Juy lep. I will now have it for topich opmon in porture & interest. In Grays appointment and acceptance are great things for the N.E. Hosa. Loney hope he will get vid of the Zoology, and that the Ficulty will choose a Passeport for that branch. The std Mapachufety Projepoship of Nat. Hist " The one Peck held, and the Hatules of with require its Propopor to be an Entomologist, is still in existence. Let this then be filled, with an able man (there is one whose claims are endisputable) and everything with be well. I know this will gleap Dr. Gray for I spoke git to Juin - I wish it might pleaf those whose will is law in the premis! I sont know what we may not now anticipate for our A. E. Botany, with such a Head on we have gotten. To long without any, it Jeems strange that all is settled. I know how it has been well. You were one only re-Sonore on difficulties - + minor troubles were exthaut a helper. Was an important Harda necessary? I was for one your man to think spit, collect for it, & begin it. This work Dr. Gray has embaced hearthy. I shall just together my wateral this winter, I hope, I lead my MS to him, when he will must new concine descriptions, and finish the works. I did not wear above that we had not excellent Botanical griends - patrons, hew - but then was notody of real energy and determination, no one willing to be on head. May In gray find ever latifaction denjoyment the prospered in all his undertakings to receive our Hora. It is not a new one. 30 years before Bigelow's girt edition offin Horala, in 1814, an Sprinch botanist had determined Microstypis and Comandra to be new Jenera I his elaborate descriptions are still in existence in his MS "Sorcriptions of widegenous American Vegetables; This evas Dr. Cather, AAS, otte author of or praper on one plants in the first vol. of the Menon's of the Amer Acad. I have glanned to give an account of these MSS - which form 12 curious volumes - and are offer non interest and value Then the pub article. You cannot resist the Conchepion, in exam these Books, that Butter was a very scientifich and accurate Botanih, so for as the means dopportunities of a country minister

I 1985 enabled him to be. But I must tell you a little of my Gravels.

I have been most favored on Seeing the ement botanily of the contrier I visited. It is no trifling matter to have visited Brown & Wahlenberg, Hookes & Fried; and to have been acquainted with fuch sen a, Borrer, and Velotysch and Boott. I shall never joyer the knowing of Sin Mr. Howher. He was most friendly most bounteons Indea has I been dritigated as a Naturalist I could not have been received with more condiality. Mr. Webb was very protite in Paris. It. Greville is all that is excellent and liberal. But I hope at some have to be able to shew you the Note book of those whom I saw . I von marking & Zuccasini were very kind as was Prof Lehmann, who fruited me with a very large coll of Siberian Leguminoja, parke Astraguli N. At Lamberts sale d'acquired our half of his ald American Herb -. This was Disposed in 2 Cabines - the first Contain all Purch's plants - and the 20 - all the each (Fram, Bradley Lewis + (lash At Auttall &) This last I bought. I muchaped also as bundle marked in the Catal. only "American Plants", with peems to con sist entirely of bursh's polants I contains his Cratage, Junci, Cancer Il. I also acquired the MS of this originally proposed work (rich his prof.) a Syrage Sis secunous Personnin's a MS map of his Routes; a Catalogue of the Blank he gathered in of W.S., I wonother grimled Catal. of a Rufrian Box. Eard. by him have bendes M. Lambert own presentation copy of his Hora, with Don's on the unlabelled bundles of Phis Can plants. Among my miscell. lots is some of fabillardieres A. Holl. gol. with were the means of procuring me a visit from Mr. Brown & a subsequent present of the Pances of his Perdoners. My visit so Mahlenberg was a very pleafant one MOIA The Ratio was to kind as to add to my coll offances all his own pubosp. I many other; as well as the Salices June: of grapes of the It. Lapp. From M. Menries I received much hundres & I value especially the collar of N.W. Coast Lichens with he gave me - one gweh is the plant upon with Ach. Jonded his Calvana lacunga, a wholly district plant from what has been called so here. M. Dakes has given my name to the plant from region; an honour of greatly value. have been most liberally foromed with Lishers, particularly by I. Welyses to whom I owe a very fine set of the duplicates of Floeske, Frink, Humb older, Sello, K. I studied I weeks work afridwork a the Lichens of the Royal Pany, " Herbon. I spant the nomber an Berlin. Prog Kenth very polite, and I saw him offer, and was able to funish him with a

large and of plants by means of a Boy with I had to the out during the switter. In Sweden I was a lawel to and a dricowery! Jinding 3 Canners as the region of fother large and the region, omitted both in Wahlberg's of Academys Ploras, and one of them even in Wahlenberg's Flora Succica! When even all salaria, maintima, of Warregica — plant all sure kably confined to a Candinavaria premisula in Europe — of their about confined to sowery a deglar. It is almost as artisting as any dricowery that have of their most stating species shot have located desirates too!

I found them completes assidenated— but have located desirates too!

HERDARIUM

COLUMBIA UNIVERSITY

Mas Janes Ja

Two alone when I made the discount to the plant myself also. It make a stand the excellent Property Areschong - and I aloust felt it awkward to lett him girl. But I must tell you now of my adventing; gor I lope I have not exeamed you with they long that you letter I am dear the property of the first of the first the for the first the your sor of the first the long of the first the formand your with the long of the first th

COLDINGS D'OVERSITIE 26/n. 1825

Dear Sin

I was very som that I miped Jeing you when you were to kind as to call at my rooms. Immediately on my return I hoped to be you at Dr. Gray's but leaved from him that you had gone. I have fine whended to write - but the Tourny of the clope of the term has preveted. Again I was to ruluchy as not to find you gesterday when It Grow said you world be at his house. Compelled now to leave myself - I hasten to thank you for the kind loan of your Junci - which I have left at I. Gray in preciply the order on with I recieved the. Jossy as I was to have to give Them up - I could do no left, I shall

look with great interest at whateve may finally

be determined with regard to them. Mr Golanical Midie, have been witerrup led by Mar Studies of late - but I hope to refume them to fine extent. I have taken leave to ask your acceptance of a little book I have written Which I tent with the Junci. I hope I may have the privilege of telling Jon mon than I can here - in perform else los and an meanwhile Mo. resport of lity Jour grateful friend stent Edw. Tucherman Pry Jones







Cambrige 12 Dec. 1047.

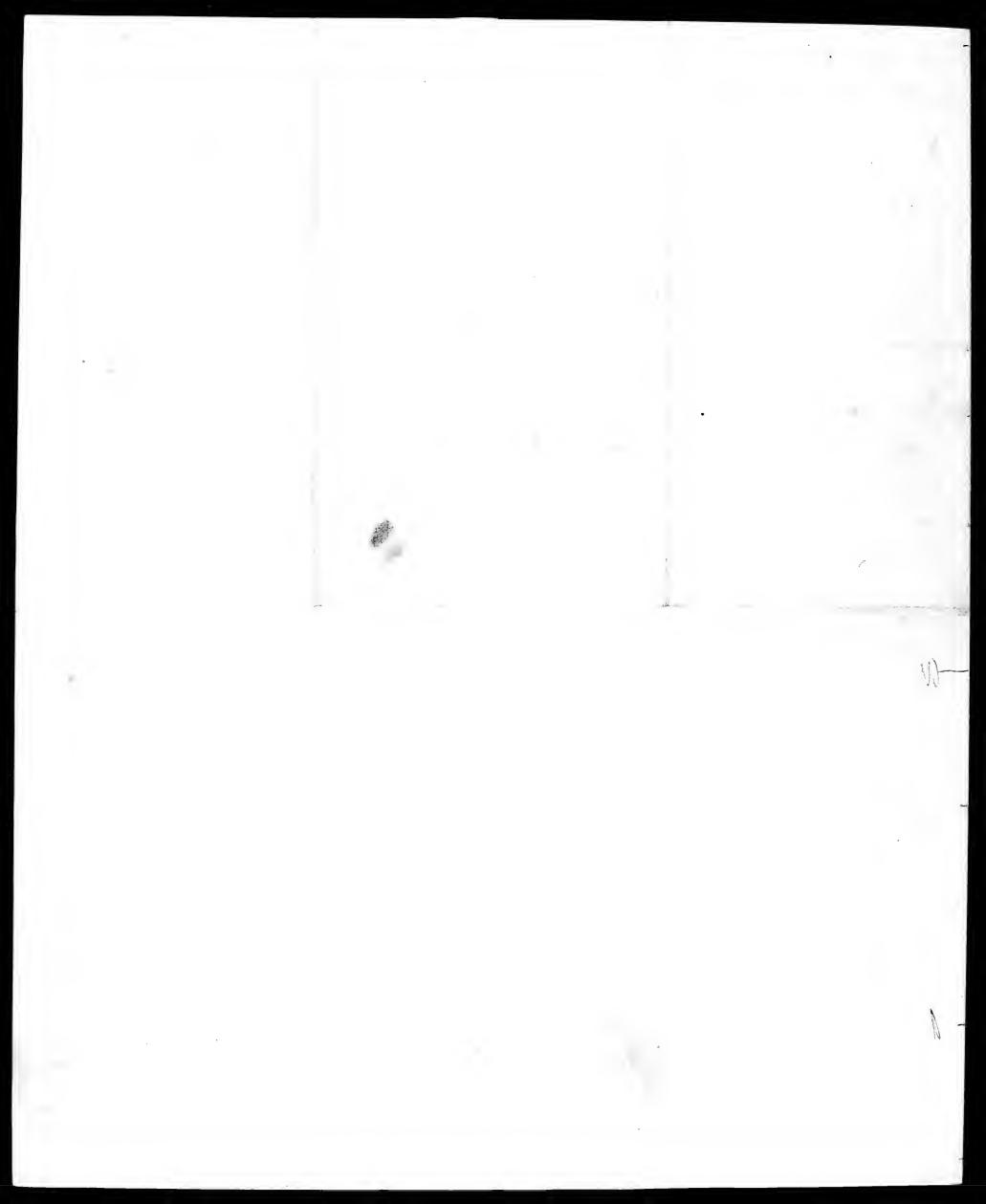
Dear Sir

It is so long since I have date down to ask questions of you, that I am afraid you have given me up as recreant to Botany. But I am once more working hand as Lichens, and hope to get out the first number of the "Lichenes Amer. Sept. xficcate" in the course of six weeks. I shall Jublish 50 - but prepare on 25 copies the greful fall. The books well be ready for another feafour collections. I have been happy enough to nilesest some botanist at the South in my undertati, and menn, of I can, to wifit the South engrely, in the spring. I hope also to be able, the next Seafon, to explore the different Reclearing, and settle the new Lichener of Muhlenberg, Schweinif, & Halsey. My foreign collection is very large, and anothertich, and give me great advantage. I shall have great pleasure, toon, in laging before you the first Fasciculus of my work - K hope it will pleafe In Gray, Maural is advancing rapidly. He has just called, and taken the proof lopy of my concluding portion of the workon Lichens. Mr. Sullivant' Mop & is all in the prefe.

But I commenced They letter, in order to ask your judgement, on a point of great interest to me. In my pumphles on the Carica, 1843, I deparated what I thought the three species C. bulleta, C. cylindrica, & C. monile, adopting for the first the plant to called by all American writers or farices - for the decord the plant with Schweinitz autograph in Hooker Herbin Confirmed by another autograph spee" in Deweys Herb" and for the 30 - the variet cylindracea of veficaria Dew. now Dr. Booth came to the conclusion that the cylin-Drica above wentioned was the time C. bullata of Later Schkahr - & he therefore was compelled to name anew The C. bullata of Amer author, which he did, calling it C. Tuchermani, with a very kind notice, in his letter, of my deparation of the three species. But M. Carey, in D' Gray's Manual - Though he has come to the fame conclusion with Boot - that The Cylindrica of my pamphlet (sustained by two autograph tickets of Schweining) is Schkulis C. bullata - yet calls the latter C. cylindrica, Schwein without The mention of any new authority for the change. your Hora was before him, which, if I am not in Errow , confering , and it must be the original authority if you have Schwenty specensery of his plant) my opinion on to the C. cylindrica of Schweing. In this position of theirs I am anxious to obtain from you " fettlement of this question - and also of the overtion - if Schwenigs C. cylindrica is the true C.

bullata of Schkuher - onght not Boott's name to be adopted for the other plant? I hope it will not put you to any trouble - but , cannot but think you will Consider my interest in a question in which I at least reprofe myself to be sustained by Schweinit huiself, Ty your, and by Boott, to be pardonable. Many thanks for your kind notices ofmy publicathing in your great Hora of 12. Y. It is there things that encourage botanist, and fludents of every kind, But they feem to be getting old-fashioned in they new age, and your botant must whift for themploes, or intend for what They think they have a right to. Except my trouble; you can'the they lang letter on to perforal a Latter - A line will be valued most highly by your mo. comp I t sweenly Orof. Tomy

College of M. L.





23 Oct. 1040.

Dear Sir Having just returned from the Mountains, where I have paper about a month and a half, I have first of all put in profs the fine Lichens which you so kindly seat me from Caps. Fremont, Collections - and which gained much in appearance by the reviving effect of the Dawpening I gave them - and now worte with my thought on those other precious collections that you so kindly conferted to Entrust to my charge.

I hope the specimen of my way of Studying Polamojeton contained in Sillimans Tournal meet, your approbation. I treed hard

to make the descriptions so full that an opinion could be formed on the proposed Species from the descriptions alone, (allowing for errours) - Is there anything that you noticed that should be altered in The succeeding ones? Excuse me of I commit the not curnatural mistake of Supposing long one else interested in what so much riterests me. To make up for all, I can mourise really hand forme Sets of Specimen, of everything that I formally describe. I hope to continue with another article on Potamogeton immediately after which I must wait the opportunities of another year. Si W. Hooker has most kindly informed me of his having selected for me the Potamogeton in her to tend. I mentioned your hims Auggestion to F. Booth, and more gameraily to Sir Welliam hungely and hope soon to thank you in spirit

over wore for what I do not thenh I should ever have Thought of asking for myself. I cannot but long anyiously for yet more of Fremonts treas. uses. Should other Specimen, turn up that you can space of those already sent, I will promise you they shall go only to the Lich. ame. Exsice. , & whatever is over, shall be returned. I canade tell how many of those of you sent will be in sufficient number to publish fairly. "kan E'v. vulpina will hardly slip though. It is so splended a Thuy in California & Oregon, that I had rather husband for Sent store till more come, Than be compelled to put poor specimens in Some of the copies to make out the Set. I shall know when They come from the press however. The other Evernia is, as I fancied, a new sp; with bright yellow shields! I have not looked it up yet, but suspect it may have escaped notice. The Ramal. retiforming hos fuffened greatly. World that were such Lichen as there might

come along. It is refreshing to See Them, after wading Through the starved species of Janta Fe + all I have get got from our donthem States. Si William Hooher Jays That Mr. Lowell has purchased all D'Jaylors Constogamies collections. And here too is Mr. Le Creux with what agains call, the best Muscological herb " after Schempers in Europe! But I fear I weary your patiences. Vernit we only to ash, in ancherion, if you laid out your own specimen of the Lichens of Fremont. It is my impression That you descred me to do so when I went over them, but as I made no note of it at The Time I am uncertain as to your wishes in This expect. Mo . resport since your Edy. Tuchestonue REDARIUM EDIUMPIA UNIVERSITY. Penj. Torrey -Prinator, ct. 9.

Prof. Torrey.

Dear Sin



I herewith return to

It. Fray, who kindly takes charge of them, - the Parcels of Lichens and Polamogetons which you were so kind as to Jend me for Examination.

The Lichen I have looked through with niterest, but did not find any of your spectimens nor of M. Ralsey's which I had hoped to avail myself of in the citations of your Enumeration, a his — the Northern lichen, being almost without exceptions from myself.

I was so unfortunate, in examining one of the Fotamogetons which was glued Down, to set on fire the edge of the paper, without however injuring the specimen at all. On the best reparation I can you for this unfortunate occurrence which I deeply regretted — I have Just up with the specimen

a grancel containing all the species I am now able to Jumin, and wicheding six species (as I regard them) new as opecies to the herbarian - & all from the northern

States. I addiped you a letter shortly after the receipt 2 the specimens, with several inquiries - which I suppose failed to reach you. Mith the help of Si W. J. Hooher Collection, & The rivestigations Juny own, I have been able to satisfy myself in regard to these soins; and believe there is nothing of emportance remaining to lay before you. Hoping you will accept, the species sent as some amend for the injury & unintentionally accapaned to the specimen - & that you will find the tollection in as good orser, in other expect, as they were when I recieved Them San with lespech Hour, Edward Fucherman.

Cambridge 2 aus. 18219.

Kec? Swely . and., 18 Cambridge 14 June 1857 Stan Sin HERBARHUM "E)

That the pleasure to encion your

- ... loking reven. favour accompanying the plants you forking reverbered me by fending - and haster to acknowledge of what I to highly value. It is the first time I cover fairly saw Tuckermania the only other specimen that ever that I hi my hand, benj too imperfect to give me a good I'd notion ofit. I need not Loy how glas I am to I hoper it - and if I can only procure at form day Nyi achenia, I shall have nothing more in the Than-I Perogamia (exclusing Phamopeton) bowert for. Hvor a main object ni me un'going alroad boshake off a dyspepsy; but Jerman, Swedish to Sand cooken did not expedite the troces of recor-Si I at Jouenbury - we had then after that till 4th along, in Pains) I Iwas about good for nothing. Six months paper in Berlin, and as may now in other part of the North of Caropo, went by with Jeancely anything done, and

ere at Uprac, Iwas almost food for nothing at all. The little Laccomplished Lowever was There. had previously bent Fries everything of the flightest interest anonymy sonther Lichen a and had the great fating. faction to go over the Carolinian, Jeorgian, & Lexan Shangers, with the notes toblewation, sunder the eye of the greatest cryptoganist who ever lived. In Jenny I made no new acquaitains among 13 stant of any niportane - but made pleasant veris lo sevent old and his friends at Trunge, Lehman, Nolte M. I missed teen Schoww Hahl at Cope hagen _ both being ile. Rather I did for the excellent Vahl, but he was fretched on her back with chronich then matern ~ one of the finis of the Guenland labours. Inis I fondi jood health. Wahleabey still hale of tough at oak, and as kind to me as he was light gean ago: hur ad say how delightful my Orital Upsal was. Shope it would be the last I shall make. Plotjeck at Berlin was in excellent health, and fill of his labour. Link was very well two, but has finis form. Runt t had a delightful

ilewiew with in October; on of the very last willines that any stranger had with him; his melancholy comy on foon after, that leaving him take his fad death. No one lango to Geman withat wishing to go there again fagain. English haspitates & French politimes both quelo lo the hearty suipling of Jenn Fundach. That's the ong Good for it. In this I willed Danes & Swedy; with Jemand. L'agland I law on William & Lang Hooke I being them Samuely agong but It Boots. The fact is the Dyspepty completed deprived of me of the wish no less than The frome to work; not to menhow that I has constant and vote charge of a party of ladis duing almost congweek ofmy allence. I have got together my material for an Enun: Exation of the Lichen of the Touther Itales, and prepared the manuflist, which now wais of the slow process ? Describing the new species, which we legion. Fixed Lyon back, I have also put up, unafsisted with the stremain 25 copies of my difficate vol I., no hifling job _ c'en-Side There proofs that my Travely Lave not been without good effect. They have found no errown in The Exfection so for. There are difference of opinion of Course in some species. This hold, To his genier Tyrine, (as Mentagne das also) advadly me to Parmelia _ and Fries

advises me to refer our northen "Cets. juniperina" (C. Janiperina v. virefeens Tuckerm . Syn.) eather to C. Prington of with will form an interesting low-country for - which I letting agree in - having ventured anguely to refer form of my own speciming to . Piniartin yours ago. But such conti-Carrier as there (which are all Free mode) do not affect The value of the work in the least. The difficulties lay in the Cladorica, which are all singuestioned I have Inaterial ready for about four fasciculi, maky two volume, wore, but count tell now when I can fet Down to it, or even look up any body also to attend to it. Meanwhile, thank to you for the Jeran burdle, sent Sometime fine, no less Than all you beautiful Califormans - Kamalina Menziefi Taylor, (the leticulate one;) Evernia Kanthocarpa Jucken. mos. (the laye black filamentous one like Evernia jubata) E. valpina , H.M.) and many most excellent Southern comes, my store, increase. I am well equipped with Carolina licher; hand many Georgiais; a large box of Louisianians not get exami; Some Floridiais; and a world of Texands; bende Santa Fe, Palifornia M. I shall limit my studies hencefor to to Lichen I the Polamogelon - of Jeyland begind the later of theman gamia, it will be only in a nonographical was; for the country Inclind day longer loting to keep up with your Bottaginesa having in my own house at length, and lope I wantometime have the quat pleasure to see you in it. With quatrespech and truly your Jucksman

Landride 22 from 1837.

HI HOARIUM TO COLUMBER DINNERS TO Referency in Sear Si witcold That Hooked so carelefrly at the Lichards you were kind enoghed fend me. But it has been the refult of my experience that I could best Satisfy myself in studying plants, when I gave myself up to a particular group exclusively. This has got to be my fixed habit now; and as I cannot Devote the Whole time to Botany, I lay wish everything that comes till enough accumulates for three or four weeks work, and then go into it when the true comes with all my strength. Itill I glauced at every specimen you vent, and had it not been at night, Should by no weard have might the Roccella, as I did. I fou did not expres your define that I should toppe que au opinion (immediates) upon Them, and To I laid them avide, to be worked up when The time should amore, with the thee they's in the Jame Jordicament Including a Box of goodly sore from Lourisain, and the last frucious usuitance of W. Wright, kindly forwarded by you.) The Roccella is a treasure. At p. 13 of my ynopsis I mentioned all that I knew relating to the genus as profribly North american. But even with The chance there indicated, I am sare I had very little Expectation of it lumip up on our attantich coast. Von Diego groes it to us; thesely an interesting additwinel gener to our Flora. The freewing are branches only to not enable me to determine the habit - but the flattened form refers it to R. fuciformis. It does not much refemble (in these speciales at least) The O. fuciformis of the East lucies, or of Europe. It is perhaps

nove like some of my specimens from Veru, and at trafe last are infertile - or parather sterile it may be that fertile ones we come nearer get to the Californias. Till I sh' be glad to far spects with the base of attack-ment perfect. As Enchweiler will allow but one species Theophort The globe (his Pormelia Roccella) though I do not suppose his authorit is to be implicitly followed in any case, however glad I may be to study his observations — and as Fries inclines strong to the fame course with the two old species, ind does reduce the intermediate R. phycopsis - while he speaks Ino they - it would be extremely venture forme, with thefe specimeny only, lo do more than put them, (differences I we of the fine branched forms, analogous to common similar ones of the levele R. timeloria. The little filrilloge Passucha is P. Corracea, ach. sub Borrera, describes byhim from opecimens hove compared it. It is very near P. cilians! The Jew Californian bickens that are known from to momerce a good deal of novelty in the licheron vegetation What region. I notice these Divisions of interesting likeur from California. 1th the wholly district once form; in Ramal. Menriefic Tayl. (web. I called , R. retiformir, following at I thought I should do, ellewries , our name) 20 The formy resembling Eastern ones, but ennobled, and strikings District in secolo features; as Everma xanthocaspa, with with the regetation of a gigantick & jubata has apo-thecia with a yellow disk. 30, old species in ennobled borner, as Essensi valpina, with it very fine and radiated aposthecia. To which of these groups the above two lichens belong, I do not feel wholly certain; but if Pan ennaces be a specier, I hope some other characters will be greatered thouse found thou what depend manily on the quantity, length, or even Irofition of the fibrilla, Thoseigh This lays some stiefs apparently on the lost feature, when casually referring to the plant. If you define it, I will glade make out a list of whatever you have fent me, from time to time, sinclude in it Mewrieir, of withe gave me a good fet - but at prefent fuch a list would give

a very sunfatisfactory of the Lichende Veset of Calefornia. I was truly happy to secien the fees of Juck-Ermania, I had alwork concluded that the plant was forgotten, for I could never pracuse a vecinia, till you sent it, and could not bear that any body had it in cultivation. Thanks boyon for it and for the monife of the Plater. I shall contrive to get a fight If the wholebost here beinde; but particularly devine for suggest only the Tuck? as I have never studied å fighe Califa plant (Shonog) Hon fent me a large Stock of Colifa hickey - fronticularly Ramal-Meuriffi, Evernea Vulgina, and E. xouthocoapa. They will be published in my lich. Expicate, which I know i the disposition you we approve. If the R. Meuricein's Shave a very lage coll in but can only eke out perfect specimens for the Exsice, by piecing together brancher, and am particularly poor in fertile brancher. a few were therefore will be highly acceptable, she you receir Them. As to Evernia vulpina, I wish to Just furteste fec of the fine fruit in every one of the 50 copies, and want some 20 more specemes, at least to do it. of the 3° E. xanthocapa 9 have magnificent specimen but only a very few fertite, tast were than a third of what I need refertile. I do not heretale ly mention Porte Depidesota, because such a work of mine is no provate concern at all, and may I know the liver street Sympathy rapped of Botanit, which you have to abundants manifested. Speaking of Botains - any last, South to have vais, that nother I knew frence to have altered at all duing the Syears of my absence from Them. Wahlenberg I looked at with weal interest and reverence. He went though his Polamoger tons with me, just as he did with his Cancer him 1842, and gave me The fullest fets of long species,

variety - and no other herbur i fo neh in the currons often new Lapland Polamagetons: Unlucking Host the paral between Upsal & Stockholm a That The promises to make it good. Wahlenberg is an Ad bachelor, and has, altogether the Inestiest, Isleafantest official cendence I the most charming connection with the factor - that I have feen. They say he live; on sout beef, & milk; I Sheard in Apral that he told his class latety Hat he did not fee who could set a limit to the indurance of a good conflictation kept up by the finiple o temperate come to with he adhered . They was not fo well as usual bast winter, but I fond him in excelled health, fish at the elde of the lam, Hooking forward to a thorogh overhaul of his enimenfe stores, preparatory to the promised 22 edition of the Lichenographia. He wished me to remain fone worth, but had not the lader of my parts made it impossible, the Twedit Diet world have fut it out of my power, for The art of cooking flesh is unknown in Sweden. (That "out Diefo Wahlenbergs was a Swedish Statement, and no dall Wahlenberg has herculean powers of digestion! Runze and Lehmann I fond as well and heart - Lehmann bette wideed than when I left genny before. at Bester I and the acquartone of a good Botant, De Jeden (Jessen) who will I am sure be heard from. He is just now devoted to microscopiet alex, but is generally a botaint of real science, of geniality as well as genins. But have wearying gon with Mis Inolizet. Ihope I have freed angely from the injulation of carelefores and the Trachers. which I did not value the tep, for not having at the moment examined them? I shall be happy To hear from the gentleman you wenter the gens him more than Eswarks in ceture for speciment with the property time to put up the latter, or a general rule.

is ? Sun Elt

Ambert 2 June 1856
Compession 1856

Star Siz

It was with great pleasure that I excognized the direction of your kind enclosure, and examined it contents. I wish I had been able to read you fivo volumes instead of one; but The 3rd, or 5to 6th Forciculi, which I had hoped to get out at The Same time with the 2nd, and for which both The books and the Specimens are early - that waits till I can get time for the labour of putting down The 7500 lichen which, or about which, will be required. I am glad however that The precious speciment Collected by Col. Fremant are at leight made aveilable to the botanical world in a form of which I am enfodent zon sill approve. A is very Snighton that the remarkable Ramaline Mensicsio should have remained undefented from 1784 when Menrie collected of till 1847 when Fr. Taylor published his derargshor. Nothing will give me greater pleasure Than It receive collections from Colinformia and Oregon. The country which is dritinginhed by such Fries as Sequeria of must have other curious likeurs, I am inclined to think, beside the Ramalina, and

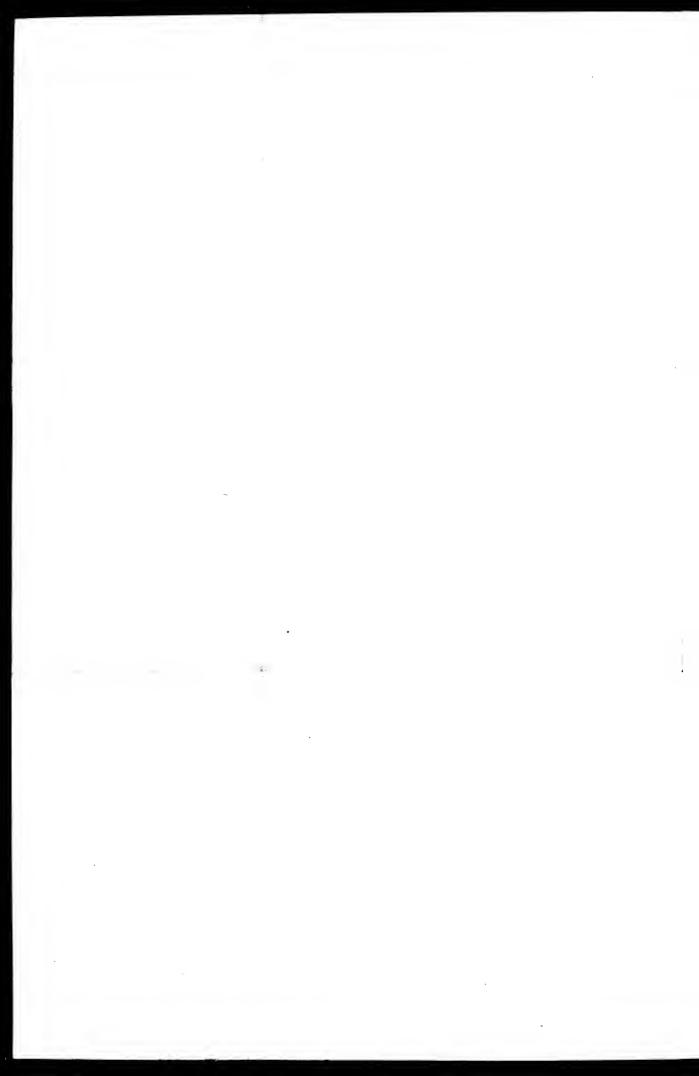
The new Evenua to which I have attached The evame I it distinguishes descriver, and I shall gladly recein & where possible boothish in the Exsicator, all the Species which you may be able to procue for me. Will you let me and that if any additional Expense be coursed by There collections, I shall be glad to be permitted to bear it. It must be long before the Lichens of our vast Flora are fully settled - but the more northern Section will be for the lariest lo bring rilo good veientificit order - and there are more large not hereby in structure, but in the abundance of au-Morites which we possess to illustrate Them. hope to brig out sometime within the government Ular a faccinet encountation of North-American licheng brichade the whole of North America, with descriptions of the many new species, which are in my herbanium - entirely for the use of lichenst however, and only preparatory to a future work which must contain microscopical characteur denved from the arci toporida. This last, if Sam able, I hope to do what I can towords, in a gradual way, by some Verial gullication.

I have not seen Koerber's work. When I was in Low. gos in 1850 of asked Mi. Parplin to look out for every-They which appeared upon dichen thend it love, but I fang he is not in the way of doing duck they, and my Library is deficient at present in devent of the new books, But the tendency of the new School is not encourageing. There is no vinife author, 2 the standing of Fries ar Montague among them, and they appear to be bon't the Stilling back (by diference, or the districtions which there afrances west on There) to that chaos which This extricated it from 25 Hours ago. I am wichined therefore to extreme contin in my studies of the microscopical Structure, and to Consider the character derivable from it as always eequimy a full support from all the other characters of The plant. And this contain is the more infortant, doubt. lefo in myself, y of an art one of those who are natwally aichied to wiresky war with the microscope. I have juit las a letter fine Fries, a he expresses an askent desore to receive plants from California and oregon, and if you will dend me Anch a coll-Ection as you can ofpase of the species of those regions and also of my of the South of Southwestern States

which he mentions as the eigens in which he is nort deficient, it will give me seal pleasure to vend Item to him, and him, I am lave, to know lo whom he is m'debted for Them. I do not think I know anything of Mr. Might New Mexican Lichens. Certains I have commeded any Specimen received from him (noble collectors!) wholly and Texas. It will then be very interesting to examine your Suite, and also the other specimens I your herbarrier; and I should be glad to do so en soon or gon will let me, on I can then incorporate them with my new Enumeration Fandla made a small collection about Santa Fe, which I received, and which was remarkable for it genhal Norther rather than Southern characta. I hope to sent This a collection of Sichen for his son who proposes a Monography of Stenescarla, quite soon, that is within der wonth, - and shall Le very lappy to add to it as much as for will Enable ene to. He has now all my Hortanin, Let me that you once more for this' new part of your hand ugans, ot Subante nyself mo expected similarly yours to Prof. Toma I in andred a the Genogeneum Ehrl. Funder

HE RBATILLANDER 3 July 1856 HERBATTUM L belien & con give you -Draw Ser Julles account of the lichen from the lands hear Infaiption rock ", which you kind out me the other day. I called it a variety (terrestri) of Pormelia conspersa, and fo This do not think that a very strange opinion: Those microscopical examination will be required to establish it. But there is figured in Swarfs care Lichery Americani "Fasc. I., Nursib. 1811, (spring I never base any copy but my own, while there fore take leave to add that both the letter- grup, as well as certainly the figures are by Acharrer, other there was no more of the work prettished) a Varmelia congruens, Ache, spokich it is Vaid "incolit artiones America borealis. In Nova Anglia observata _ of this lichen I have hitherto failed to get any informa. tron litte here or in Europe. In my Synapsir of Lithers of New Enfant, of I put it among that group of Parmelia, which

hicholy P. Stellain, (Physicia, Fr.) and Achanies compares it (and his Lichenographie) with a species of that group. I find however that I possess a bit of a specimen from Floerker collections, which er ticketed "Controlatka, Tilesius" and names "P. congruens, Ach", which is cartaily the same with the Lichen from Inscription lock - o with their light I am also solistied that the description of Achorin is also sufficients accordant with your specimens - for more so indeed then his cited figure - by which alone I and not possibly have determined our The mane will there for be P. congruens, Ach. Syn. p. 204; but it is to be noted That Achanin's plant is fair to inhabit trees, while your opening on for The last, and Dr. Waysen from Nebroska also - except that he adds one but apparently of the same, but still more like states of P. compera, from rocks, from which also Tilesius's lichen was derived. P. Congruens does not seen to be known at all lo technick of this day - and I fear it would not be destinguished, Except as a new variety of P. conspessa. The lotter is unknown upon Trees in Europe - but I have what I Count Distinguil from it from the Goraft of Majaicappi of Louiscaia. I have also wither for some time to correct the statement in my note that Joed not see M. Wifts- Extens from New Merces. I suppose I have then, but that they are ticheted only Exp" from Jeras to N. Mexico? Mo. sespect otruz yours EDW. Tuckerman To Professor Jornez



tend Frien. Con III POR AUT Thut an homomy Branches ables to make out fuch a find ? persons la whom me dend. I do not expect to Go any they more at 15 ortang Except continue my duty richery . - I there jose of the more auxeon to find to long one whofe politerate or whom Amdref e lace to achnowinge. I am sorry Dr. Torry has thell left my letter unoticed - u, well as my book - but I have no doubt he has reason for it Though I cannot turgina which They are. I shall ash him myself how he day before toy. I am in ing old worm of allers.

a have got me copie of my witheres - seady. very zent & But 33 Dy. hoh Estua Per play Caro -Man enticles to The Proceedings of the academy, and enplose, blean consider me an asplicant for it equiasly . " have integrale turo nos, of thenker har in approvince & free of whom I sight to promision or were they seem consider the